Part III Construction Material Data

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SUMMARY OF SOIL TEST
(RELEVÉ DES ESSAIS DES SOLS)

FOR REPORTING (POUR DE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ): MEMVE−ELE PROJECT

SAMPLE NO. (N°DE L'ÉCHANTILLON)			BL	BL	BH	BH	
SAMPLE DEPTH (PROFONDEUR DE L'ÉCHANTILLON) (m)			~	~	~	~	~
GRADATION (GRANULOMÉTRIE)	GRAVEL (GRAVIER) (%)						
	SAND (SABLE) (%)						
	SILT (SILT) (%)						
	CLAY (ARGILE) (%)						
	MAX. DIAMETER (DIAMÈTRE MAX.) (mm)						
	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ) Uc						
	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE) U'c						
CONSISTENCY (CONSISTANCE)	LIQUID LIMIT (LIMITE DE LIQUIDITÉ) w_L (%)						
	PLASTIC LIMIT (LIMITE DE PLASTICITÉ) w_P (%)						
	PLASTICITY INDEX (INDICE DE PLASTICITÉ) Ip						
*							
SPECIFIC GRAVITY OF SOIL (POIDS SPÉCIFIQUE DU SOL) Gs			2.638	2.638	2.689	2.689	
NATURAL STATE (ETAT NATURAL)	WATER CONTENT (TENEUR EN EAU) w (%)		16.7	16.7	20.4	20.4	
	WET DENSITY (DENSITÉ HUMIDE) γ_t (g/m³)		2.017	2.027	2.012	2.032	
	VOID RATIO (INDICE DES VIDES) e		0.526	0.519	0.609	0.593	
	DEGREE OF SATURATION (DEGRÉ DE SATURATION) Sr (%)		83.8	84.9	90.1	92.5	
MECHANICAL PROPERTIES (PROPRIÉTÉS MÉCANIQUES)	UNCONFINED COMPRESSION (COMPRESSION UNIAXE)	COMPRESSIVE STRENGTH (RÉSISTANCE À LA COMPRESSION) q_u (kg/cm²)					
		MODULUS OF ELASTICITY (MODULE D'ÉLASITICITÉ) E_{50} (kg/cm²)					
		SENSITIVITY RATIO (INDICE DE SENSITIVITÉ) St					
	** (1) · (2)	TYPE OF TEST (TYPE DE L'ESSAI) ***	UU	CU	UU	CU	
		COHESION (COHÉSION) C (kg/cm²)	2.26	$C_{cu/p}$ 1.0	3.29	$C_{cu/p}$ 1.3	
		ANGLE OF INTERNAL FRICTION (ANGLE DE FROTTEMENT INTERNE) ϕ (°)	23.8	0.398	20.8	0.727	
	CONSOLIDATION (CONSOLIDATION)	YIELD STRESS OF CONSOLIDATION (LIMITE D'ÉLASTITÉ DE CONSOLIDATION) Py (kg/cm²)					
		COMPRESSION INDEX (INDICE DE COMPRESSION) Cc					

*CLASSIFICATION (CLASSIFICATION)
** (1): DIRECT SHEAR (CISAILLEMENT), (2): TRIAXIAL COMPRESSION (COMPRESSION TRIAXIAL)
***UNCONSOLIDATED, UNDRAINED (NON CONSOLIDÉ, NON DRAINÉ) ; UU : CONSOLIDATED, UNDRAINED (CONSOLIDÉ, NON DRAINÉ) ; CU : CONSOLIDATED, DRAINED (CONSOLIDÉ DRAINÉ) ; CD. :

(BAR OVER THE SYMBOL SHOWS THE MEASUREMENT OF PORE WATER PRESSURE (LE TRAIT AU DESSUS DU SYMBOL MONTRE LA PRESSION DE L'EAU INTERSTITIELLE.))

N.K. FORM NO. 015 (1975)

TRIAXIAL COMPRESSION TEST (INITIAL CONDITION : CONSOLIDATION DATA) (UU) CU CŪ CD

(ESSAI DE COMPRESSION TRIAXIAL (CONDITION INITIALE: DONNÉES DE CONSOLIDATION))

FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BL (m ~ m)	TESTED BY (ESSAI PAR)	

SAMPLE (ÉCHANTILLON)	UNDISTURBED · DISTURBED (INTACT . REMANIÉ)	TYPE OF APPARATUS (TYPE DE L'APPAREIL)	
SHAPED WITH (MISE EN FORME PAR)	TRIMMER · OTHER( ) (TRANCHEUSE · AUTRE( ))	CONDITION OF DRAINAGE DURING CONSOLIDATION (CONDITION DE DRAINAGE PENDANT LA CONSOLIDATION)	SINGLE DRAINAGE, DOUBLE DRAINAGE, PAPER DRAIN (DRAINAGE SIMPLE, DRAINAGE DOUBLE, DRAIN EN PAPIER)

PROPERTIES: (PROPRIÉTÉS) CLASSIFICATION (CLASSIFICATION) ---------- G_s 2.638 w_L ---------- % w_P ---------- %

SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)				No. 1	No. 2	No. 3	No. 4	No.
CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION)			(kg/cm^2)	0.5	1.0	2.0	3.0	
INITIAL CONDITIONS OF SPECIMEN (CONDITIONS INITIALES DU SPÉCIMEN)	HEIGHT (HAUTEUR)	H_0	(cm)	10.01	10.09	10.04	10.08	
	DIAMETER (DIAMETRE)	D	(cm)	5.03	5.03	5.03	5.04	
	VOLUME (VOLUME)	V_0	(cm^3)	198.9	200.5	199.5	201.1	
	WEIGHT (POIDS)	w_0	(g)	403.1	403.3	403.4	403.4	
	WET DENSITY (DENSITÉ HUMIDE)	γ	(g/cm^3)	2.027	2.011	2.022	2.006	
	WATER CONTENT (TENEUR EN EAU)	w_0	(%)	16.7	16.7	16.7	16.7	
	VOID RATIO (INDICE DES VIDES)	e_0		0.519	0.531	0.523	0.535	
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr	(%)	84.9	83.0	84.2	82.3	
CONSOL. DATA (DONNÉES DE CONSOL.)	CONSOLIDATION TIME (TEMPS DE CONSOLIDATION)							
	DRAINED VOLUME (VOLUME DU DRAIN)	ΔV	(cm^3)					
	VOID RATIO AFTER CONSOLIDATION (INDICE DES VIDES APRÈS CONSOLIDATION)	e						
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL)		(°C)					

TIME-DRAINED VOLUME CURVE FOR CONSOLIDATION
(COURBE TEMPS-VOLUME DRAINÉ POUR CONSOLIDATION)

DRAINED VOLUME (VOLUME DRAINÉ) (cm^3)

0.1 1 10 100 1000

ELAPSED TIME (TEMPS ÉCOULÉ) (min)

N. K. FORM NO. 006 (1975)

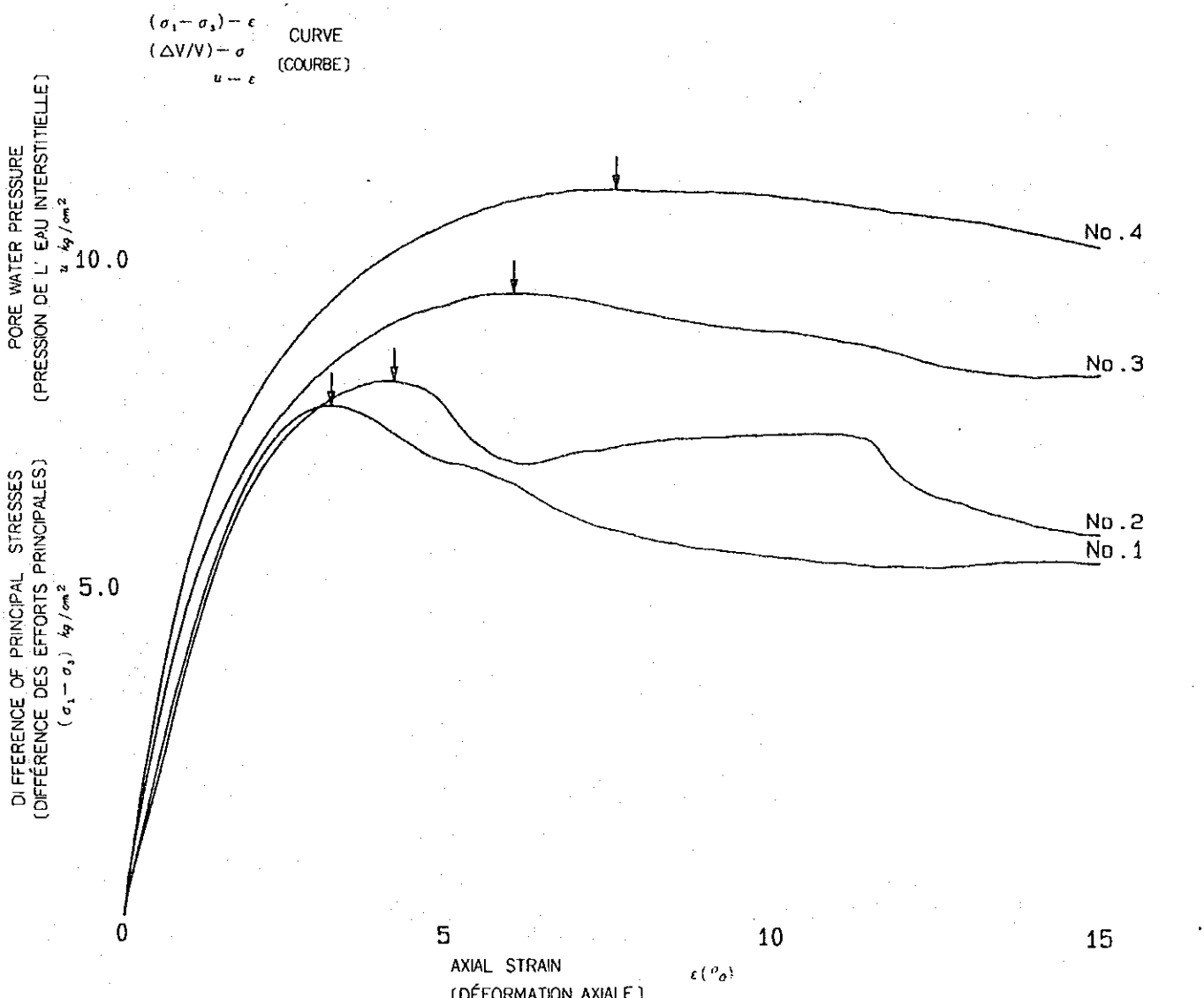
TRIAXIAL COMPRESSION TEST (LOADING DATA) (UU) CU
(ESSAI DE COMPRESSION TRIAXIALE(DONNÉES DE CHARGEMENT)) CU CD

FOR REPORTING (POUR LE RAPPORT)

NAME OF SUVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BL (m ~ m)	TESTED BY (ESSAI PAR)	

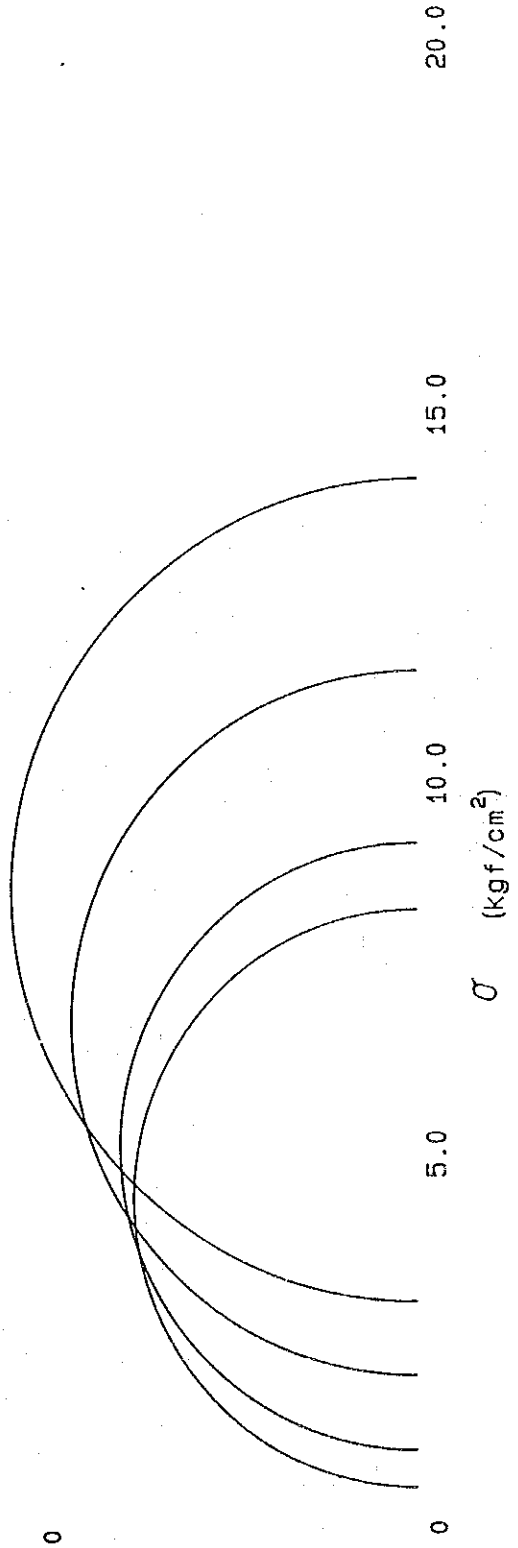
LOADING METHOD (MÉTHODE DE CHARGEMENT): STRAIN CONTROL · STRESS CONTROL (CONTRÔLE DES DÉFORMATION · CONTRÔLE DES CONTRAINTES)
RATE OF COMPRESSIN (TAUX DE COMPRESSION): 1.0 % /min
PROVING RING CAPACITY (CAPACITÉ DE L'ANNEAU DYNAMOMÉTRIQUE): 500 kg

	SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)	No. 1	No. 2	No. 3	No. 4	No.
	CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)	0.5	1.0	2.0	3.0	
AT PEAK (AU SOMMET)	$(\sigma_1 - \sigma_3)_f$ (kg/cm^2)	7.795	8.179	9.521	11.122	
	u_f (kg/cm^2) · e_f					
	$A_f \cdot (\Delta V/V)_f$ (%)					
	ε_f (%)	3.20	4.18	6.01	7.58	
	ELAPSED TIME TO FAILURE (TEMPS DE RUPTURE) (min)					
	MODULUS OF ELASTICITY (MODULE D'ÉLASTICITÉ) E_{50} (kg/cm^2)					
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL) (℃)					



TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM) (UU) CU (ESSAI DE COMPRESSION TRIAXIALE (DIAGRAMME DES EFFORTS DE MOHR)) CŪ CD		FOR REPORTING (POUR LE RAPPORT)
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BL (m ~ m)	TESTED BY (ESSAI PAR)

SCOPE (ETENDU)			
	NORMALLY CONSOLIDATED (CONSOLIDÉE NORMALEMENT)	Cu = kg/cm², φu = °	C' = kg/cm², φ' = °
	OVER-CONSOLIDATED (SUR-CONSOLIDÉ)	C = kg/cm², φ = °	C' = kg/cm², φ' = °



15.0 10.0 5.0 (kgf/cm²)

TRIAXIAL COMPRESSION TEST (INITIAL CONDITION : CONSOLIDATION DATA) UU (CU) CŪ CD

(ESSAI DE COMPRESSION TRIAXIAL (CONDITION INITIALE; DONNÉES DE CONSOLIDATION))

FOR REPORTING (POUR LE RAPPORT)

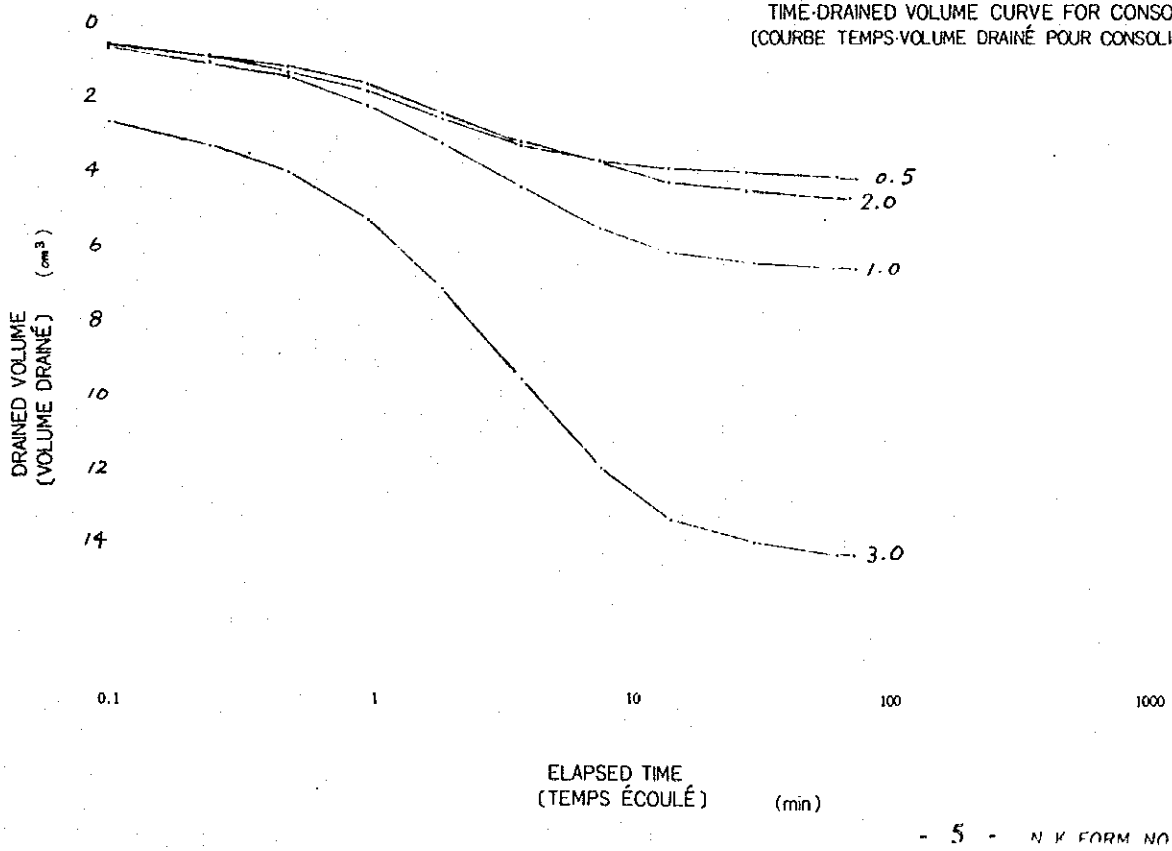
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BL (m ~ m)	TESTED BY (ESSAI PAR)	

SAMPLE (ÉCHANTILLON)	UNDISTURBED · DISTURBED (INTACT . REMANIÉ)	TYPE OF APPARATUS (TYPE DE L'APPAREIL)	
SHAPED WITH (MISE EN FORME PAR)	TRIMMER · OTHER( ) (TRANCHEUSE · AUTRE( ))	CONDITION OF DRAINAGE DURING CONSOLIDATION (CONDITION DE DRAINAGE PENDANT LA CONSOLIDATION)	SINGLE DRAINAGE, DOUBLE DRAINAGE, PAPER DRAIN (DRAINAGE SIMPLE, DRAINAGE DOUBLE, DRAIN EN PAPIER)

PROPERTIES: (PROPRIÉTÉS) CLASSIFICATION (CLASSIFICATION) ---------- G_s 2.638 w_L ---------- % w_p ---------- %

SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)			No. 1	No. 2	No. 3	No. 4	No.
CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)			0.5	1.0	2.0	3.0	
INITIAL CONDITIONS OF SPECIMEN (CONDITIONS INITIALES DU SPÉCIMEN)	HEIGHT (HAUTEUR)	H_o (cm)	10.06	10.06	10.04	10.08	
	DIAMETER (DIAMETRE)	D (cm)	5.01	5.01	5.02	5.03	
	VOLUME (VOLUME)	V_o (cm^3)	198.3	198.3	198.7	200.3	
	WEIGHT (POIDS)	w_o (g)	403.2	403.3	402.9	403.3	
	WET DENSITY (DENSITÉ HUMIDE)	γ (g/cm^3)	2.033	2.034	2.028	2.013	
	WATER CONTENT (TENEUR EN EAU)	w_o (%)	16.7	16.7	16.7	16.7	
	VOID RATIO (INDICE DES VIDES)	e_o	0.514	0.514	0.518	0.529	
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)	85.7	85.7	85.0	83.3	
CONSOL. DATA (DONNÉES DE CONSOL.)	CONSOLIDATION TIME (TEMPS DE CONSOLIDATION)		76	78	75	77	
	DRAINED VOLUME (VOLUME DU DRAIN)	ΔV (cm^3)	4.3	6.7	4.8	14.4	
	VOID RATIO AFTER CONSOLIDATION (INDICE DES VIDES APRÈS CONSOLIDATION)	e					
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL)	(°C)					

TIME-DRAINED VOLUME CURVE FOR CONSOLIDATION
(COURBE TEMPS-VOLUME DRAINÉ POUR CONSOLIDATION)



TRIAXIAL COMPRESSION TEST (LOADING DATA)
(ESSAI DE COMPRESSION TRIAXIALE(DONNÉES DE CHARGEMENT))

UU (CU) CD

FOR REPORTING (POUR LE RAPPORT)

NAME OF SUVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BL m ~ m	TESTED BY (ESSAI PAR)	

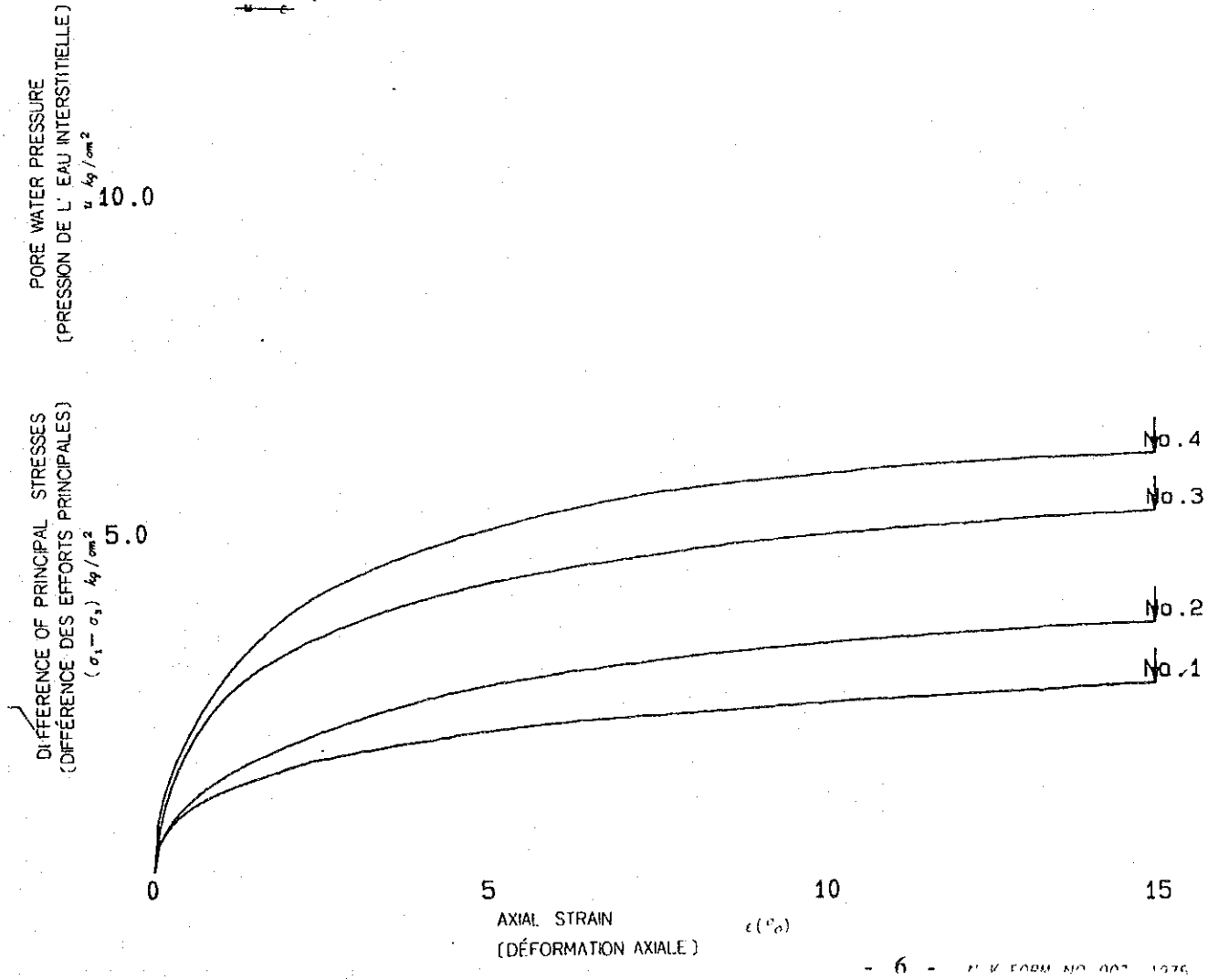
LOADING METHOD (MÉTHODE DE CHARGEMENT)	STRAIN CONTROL · STRESS CONTROL (CONTRÔLE DES DÉFORMATION · CONTRÔLE DES CONTRAINTES)	PROVING RING CAPACITY (CAPACITÉ DE L'ANNEAU DYNAMOMÉTRIQUE) 500 kg
	RATE OF COMPRESSIN (TAUX DE COMPRESSION) 1.0 % /min	

	SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)	No 1	No 2	No 3	No. 4	No.
	CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)	0.5	1.0	2.0	3.0	
AT PEAK (AU SOMMET)	$(\sigma_1-\sigma_3)_f$ (kg/cm^2)	2.752	3.664	5.326	6.177	
	u_f (kg/cm^2) · e_f					
	$A_f \cdot (\triangle V/V)_f$ (%)					
	ε_f (%)	15.00	15.00	15.00	15.00	
	ELAPSED TIME TO FAILURE (TEMPS DE RUPTURE) (min)					
	MODULUS OF ELASTICITY (MODULE D'ÉLASTICITÉ) E_{50} (kg/cm^2)					
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL) (°C)					

$(\sigma_1-\sigma_3)-\varepsilon$ CURVE (COURBE)

~~$(\triangle V/V)-\sigma$~~

~~$u-\varepsilon$~~

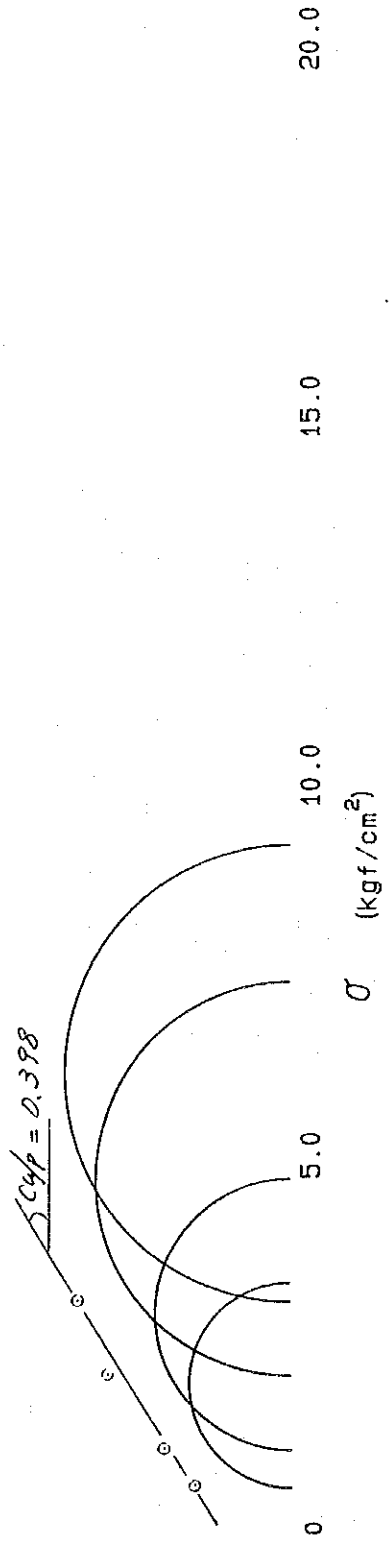


TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM) UU (CU)
(ESSAI DE COMPRESSION TRIAXIALE (DIAGRAMME DES EFFORTS DE MOHR)) CU CD

FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BL (m ~ m)	TESTED BY (ESSAI PAR)	

SCOPE (ETENDU)			
NORMALLY CONSOLIDATED (CONSOLIDÉE NORMALEMENT)	Cu = kg/cm², φu = °	C' = kg/cm², φ' = °
OVER-CONSOLIDATED (SUR-CONSOLIDÉ)	C = kg/cm², φ = °	C' = kg/cm², φ' = °



15.0 10.0 5.0 τ (kgf/cm²)

N. K. FORM NO. 008 (1975)

TRIAXIAL COMPRESSION TEST (INITIAL CONDITION : CONSOLIDATION DATA) (UU) CU
(ESSAI DE COMPRESSION TRIAXIAL (CONDITION INITIALE; DONNÉES DE CONSOLIDATION)) CŪ CD

FOR REPORTING (POUR LE RAPPORT)

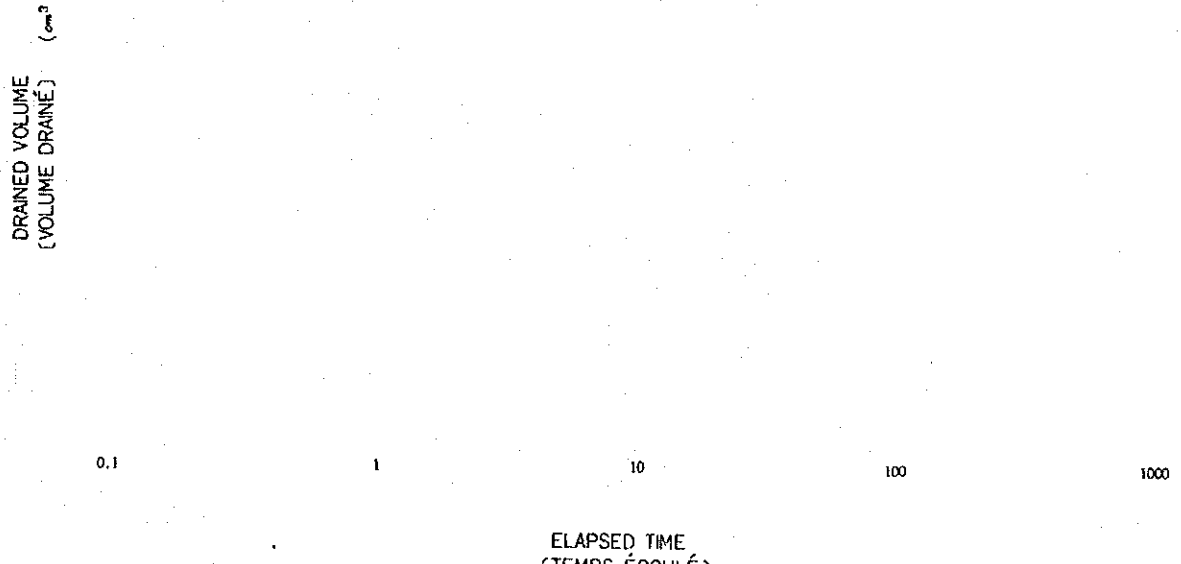
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BH (m ~ m)	TESTED BY (ESSAI PAR)	

SAMPLE (ÉCHANTILLON)	UNDISTURBED · DISTURBED (INTACT . REMANIÉ)	TYPE OF APPARATUS (TYPE DE L'APPAREIL)	
SHAPED WITH (MISE EN FORME PAR)	TRIMMER · OTHER( ) (TRANCHEUSE · AUTRE( ))	CONDITION OF DRAINAGE DURING CONSOLIDATION (CONDITION DE DRAINAGE PENDANT LA CONSOLIDATION)	SINGLE DRAINAGE, DOUBLE DRAINAGE, PAPER DRAIN (DRAINAGE SIMPLE, DRAINAGE DOUBLE, DRAIN EN PAPIER)

PROPERTIES: (PROPRIÉTÉS) CLASSIFICATION (CLASSIFICATION) ---------- G_s 2.689 w_L ---------- % w_P ---------- %

SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)			No. 1	No. 2	No. 3	No. 4	No.
CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)			0.5	1.0	2.0	3.0	
INITIAL CONDITIONS OF SPECIMEN (CONDITIONS INITIALES DU SPÉCIMEN)	HEIGHT (HAUTEUR)	H_o (cm)	10.03	10.02	10.01	10.04	
	DIAMETER (DIAMETRE)	D (cm)	5.02	5.03	5.02	5.03	
	VOLUME (VOLUME)	V_o (cm^3)	199.7	199.1	198.1	199.5	
	WEIGHT (POIDS)	w_o (g)	400.3	400.5	400.8	400.7	
	WET DENSITY (DENSITÉ HUMIDE)	γ (g/cm^3)	2.005	2.012	2.023	2.009	
	WATER CONTENT (TENEUR EN EAU)	w_o (%)	20.4	20.4	20.4	20.4	
	VOID RATIO (INDICE DES VIDES)	e_o	0.615	0.609	0.600	0.612	
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)	89.2	90.1	91.4	89.6	
CONSOL. DATA (DONNÉES DE CONSOL.)	CONSOLIDATION TIME (TEMPS DE CONSOLIDATION)						
	DRAINED VOLUME (VOLUME DU DRAIN)	ΔV (cm^3)					
	VOID RATIO AFTER CONSOLIDATION (INDICE DES VIDES APRÈS CONSOLIDATION)	e					
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL)	(°C)					

TIME-DRAINED VOLUME CURVE FOR CONSOLIDATION
(COURBE TEMPS-VOLUME DRAINÉ POUR CONSOLIDATION)



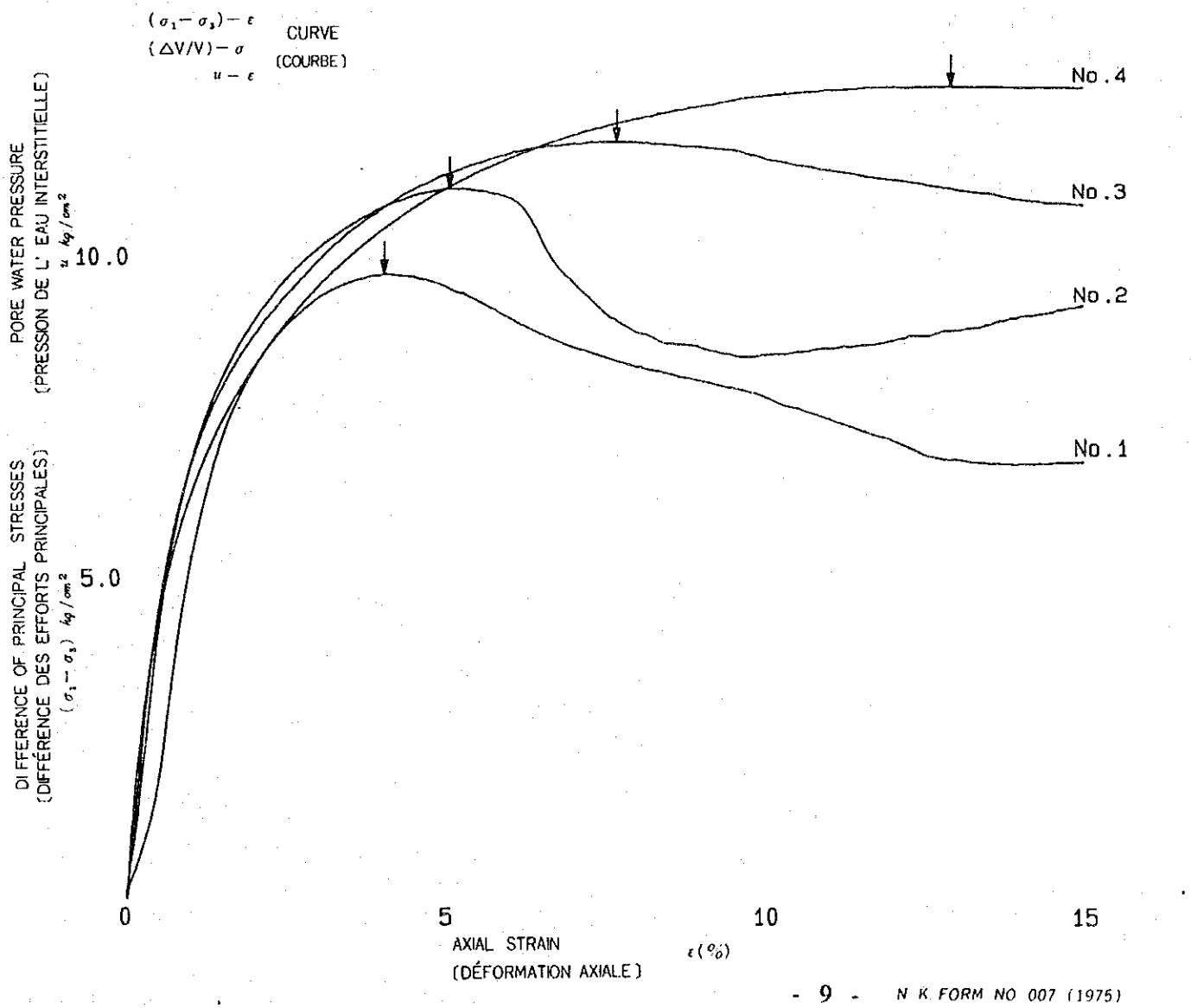
TRIAXIAL COMPRESSION TEST (LOADING DATA) UU CU
(ESSAI DE COMPRESSION TRIAXIALE (DONNÉES DE CHARGEMENT)) CU CD

FOR REPORTING (POUR LE RAPPORT)

NAME OF SUVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	B H (m ~ m)	TESTED BY (ESSAI PAR)	

LOADING METHOD (MÉTHODE DE CHARGEMENT): STRAIN CONTROL · STRESS CONTROL (CONTRÔLE DES DÉFORMATION · CONTRÔLE DES CONTRAINTES)
RATE OF COMPRESSIN (TAUX DE COMPRESSION): 1.0 % /min
PROVING RING CAPACITY (CAPACITÉ DE L'ANNEAU DYNAMOMÉTRIQUE): 500 kg

	SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)	No. 1	No. 2	No. 3	No. 4	No.
	CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)	0.5	1.0	2.0	3.0	
AT PEAK (AU SOMMET)	$(\sigma_1 - \sigma_3)_f$ (kg/cm^2)	9.743	11.065	11.800	12.647	
	$u_f\ (kg/cm^2) \cdot e_f$					
	$A_f \cdot (\Delta V/V)_f$ (%)					
	ε_f (%)	4.06	5.07	7.69	12.92	
	ELAPSED TIME TO FAILURE (TEMPS DE RUPTURE) (min)					
	MODULUS OF ELASTICITY (MODULE D'ÉLASTICITÉ) $E_{50}\ (kg/cm^2)$					
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL) (°C)					

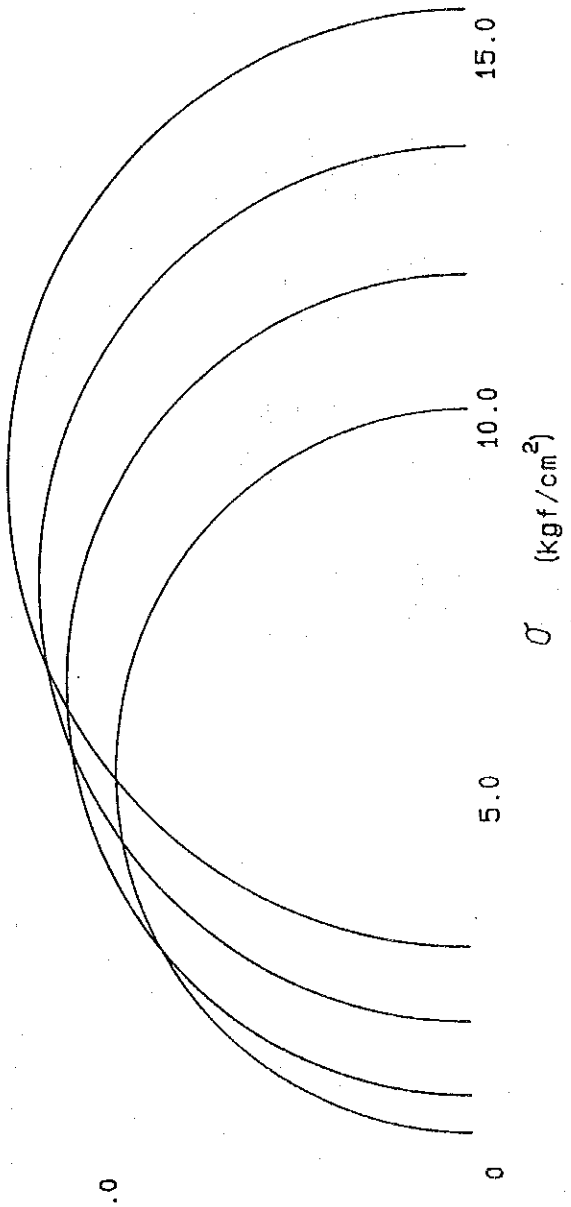


TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM) (UU) CU
(ESSAI DE COMPRESSION TRIAXIALE (DIAGRAMME DES EFFORTS DE MOHR)) CŪ CD

FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BH (m ~ m)	TESTED BY (ESSAI PAR)	

SCOPE (ETENDU)			
NORMALLY CONSOLIDATED (CONSOLIDÉE NORMALEMENT)	Cu = kg/cm², φu = °	C' = kg/cm², φ' = °
OVER-CONSOLIDATED (SUR-CONSOLIDÉ)	C = kg/cm², φ = °	C' = kg/cm², φ' = °



15.0 10.0 5.0 τ (kgf/cm²)

N. K. FORM NO. 008 (1975)

TRIAXIAL COMPRESSION TEST (INITIAL CONDITION : CONSOLIDATION DATA) UU (CU) FOR REPORTING
(ESSAI DE COMPRESSION TRIAXIAL (CONDITION INITIALE; DONNÉES DE CONSOLIDATION)) CŪ CD (POUR LE RAPPORT)

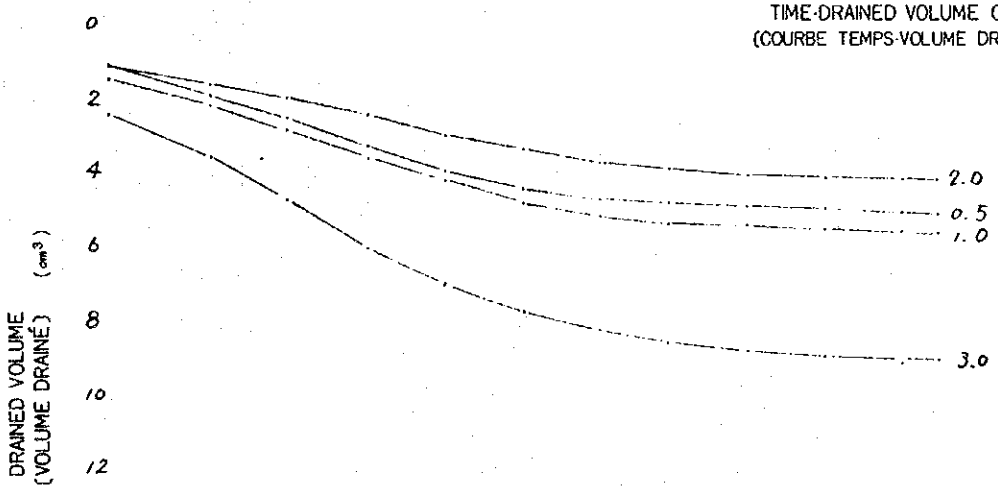
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BH (m ~ m)	TESTED BY (ESSAI PAR)	

SAMPLE (ÉCHANTILLON)	UNDISTURBED · DISTURBED (INTACT . REMANIÉ)	TYPE OF APPARATUS (TYPE DE L'APPAREIL)	
SHAPED WITH (MISE EN FORME PAR)	TRIMMER · OTHER( ) (TRANCHEUSE · AUTRE( ))	CONDITION OF DRAINAGE DURING CONSOLIDATION (CONDITION DE DRAINAGE PENDANT LA CONSOLIDATION)	SINGLE DRAINAGE, DOUBLE DRAINAGE, PAPER DRAIN (DRAINAGE SIMPLE, DRAINAGE DOUBLE, DRAIN EN PAPIER)

PROPERTIES: (PROPRIÉTÉS) CLASSIFICATION (CLASSIFICATION) ---------- G_s 2.689 w_L ---------- % w_P ---------- %

	SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)			No. 2	No. 3	No. 1	No. 4	No.
	CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)			0.5	1.0	2.0	3.0	
INITIAL CONDITIONS OF SPECIMEN (CONDITIONS INITIALES DU SPÉCIMEN)	HEIGHT (HAUTEUR)	H_o	(cm)	10.03	10.01	9.91	10.02	
	DIAMETER (DIAMETRE)	D	(cm)	5.02	5.01	5.02	5.01	
	VOLUME (VOLUME)	V_o	(cm^3)	198.5	197.3	196.1	197.5	
	WEIGHT (POIDS)	w_o	(g)	401.1	400.8	400.8	400.9	
	WET DENSITY (DENSITÉ HUMIDE)	γ	(g/cm^3)	2.021	2.031	2.044	2.030	
	WATER CONTENT (TENEUR EN EAU)	w_o	(%)	20.4	20.4	20.4	20.4	
	VOID RATIO (INDICE DES VIDES)	e_o		0.602	0.594	0.534	0.595	
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr	(%)	91.1	92.3	103	92.2	
CONSOL. DATA (DONNÉES DE CONSOL.)	CONSOLIDATION TIME (TEMPS DE CONSOLIDATION)			168	167	167	168	
	DRAINED VOLUME (VOLUME DU DRAIN)	ΔV	(cm^3)	5.3	5.8	4.4	9.2	
	VOID RATIO AFTER CONSOLIDATION (INDICE DES VIDES APRÈS CONSOLIDATION)	e						
	ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL)		(°C)					

TIME-DRAINED VOLUME CURVE FOR CONSOLIDATION
(COURBE TEMPS-VOLUME DRAINÉ POUR CONSOLIDATION)



TRIAXIAL COMPRESSION TEST (LOADING DATA) UU (CU)
(ESSAI DE COMPRESSION TRIAXIALE(DONNÉES DE CHARGEMENT)) CŪ CD

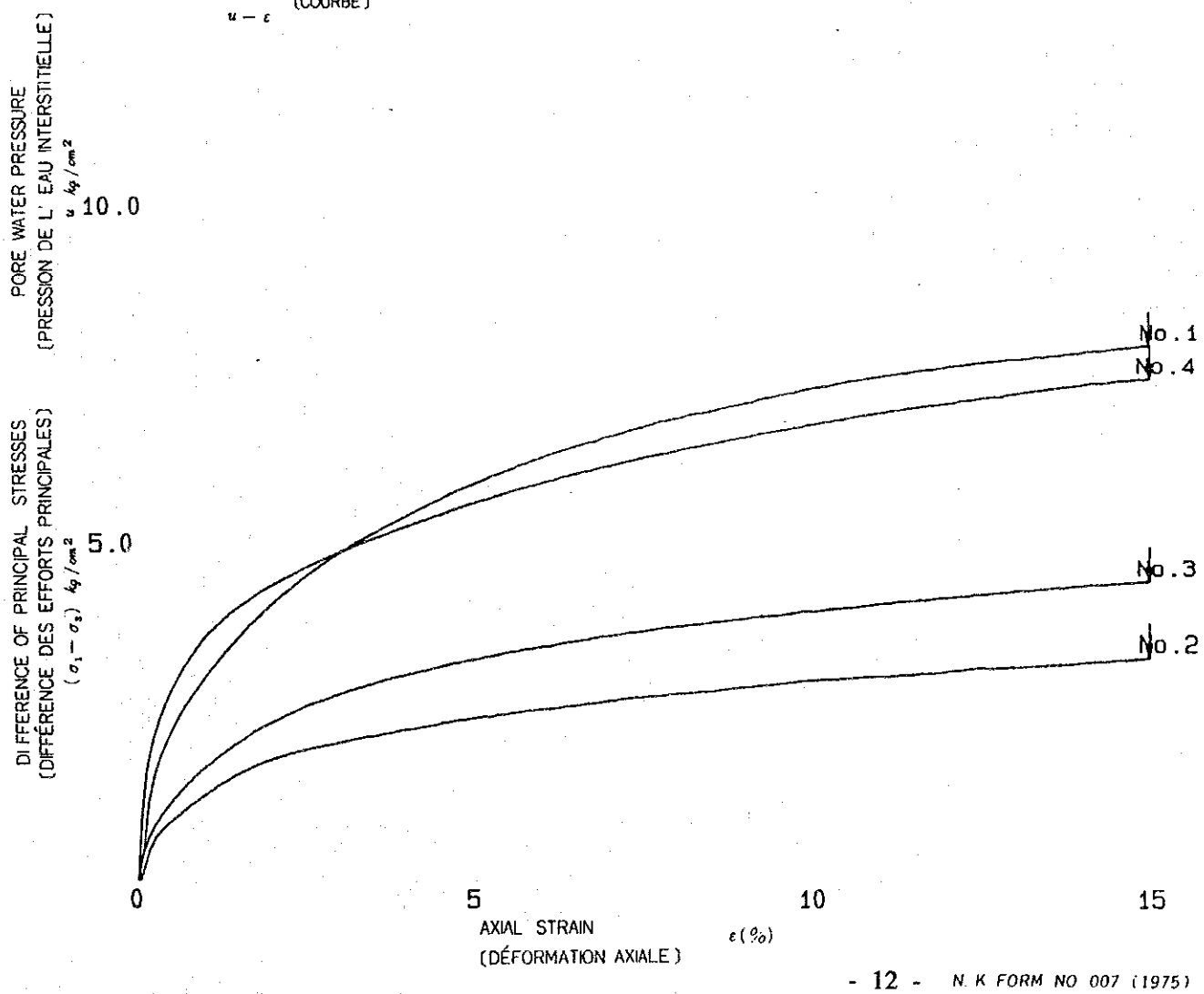
FOR REPORTING (POUR LE RAPPORT)

NAME OF SUVEY & LOCALITY (DÉNOMINATION DE L' ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L' ÉCHANTILLON ET PROFONDEUR)	BH (m ~ m)	TESTED BY (ESSAI PAR)	

LOADING METHOD (MÉTHODE DE CHARGEMENT): STRAIN CONTROL · STRESS CONTROL (CONTRÔLE DES DÉFORMATION · CONTRÔLE DES CONTRAINTES)
RATE OF COMPRESSIN (TAUX DE COMPRESSION) 1.0 /min
PROVING RING CAPACITY (CAPACITÉ DE L' ANNEAU DYNAMOMÉTRIQUE) 500 kg

		SPECIMEN NUMBER (NUMÉRO DU SPÉCIMEN)	No. 2	No. 3	No. 1	No. 4	No.
		CONSOLIDATION PRESSURE (PRESSION DE CONSOLIDATION) (kg/cm^2)	0.5	1.0	2.0	3.0	
AT PEAK (AU SOMMET)		$(\sigma_1-\sigma_3)_f$ (kg/cm^2)	3.290	4.431	7.915	7.420	
		u_f (kg/cm^2) · e_f					
		$A_f \cdot (\Delta V/V)_f$ (%)					
		ε_f (%)	15.00	15.00	14.98	15.00	
		ELAPSED TIME TO FAILURE (TEMPS DE RUPTURE) (min)					
		MODULUS OF ELASTICITY (MODULE D' ÉLASTICITÉ) E_{50} (kg/cm^2)					
		ROOM TEMPERATURE (TEMPÉRATURE DU LOCAL) (°C)					

$(\sigma_1-\sigma_3)-\varepsilon$
$(\Delta V/V)-\sigma$ CURVE (COURBE)
$u-\varepsilon$

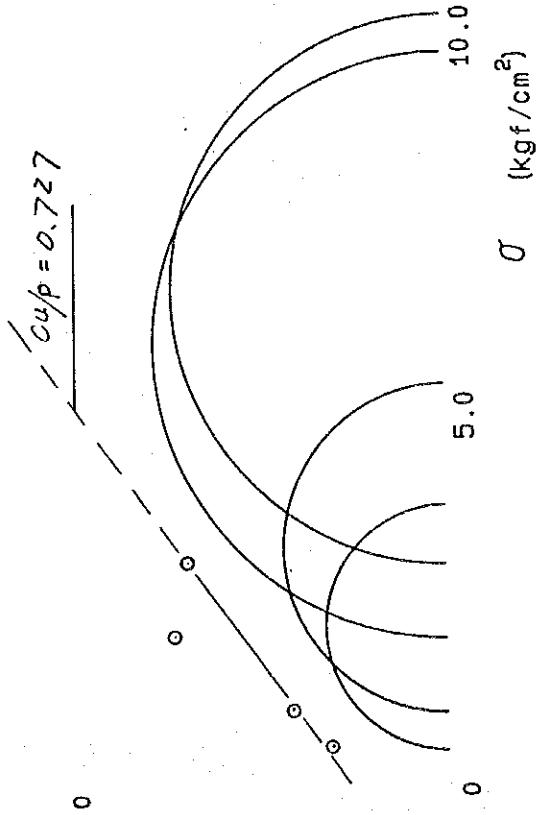


TRIAXIAL COMPRESSION TEST (MOHR'S STRESS DIAGRAM) UU (CU)
(ESSAI DE COMPRESSION TRIAXIALE (DIAGRAMME DES EFFORTS DE MOHR)) CŪ CD

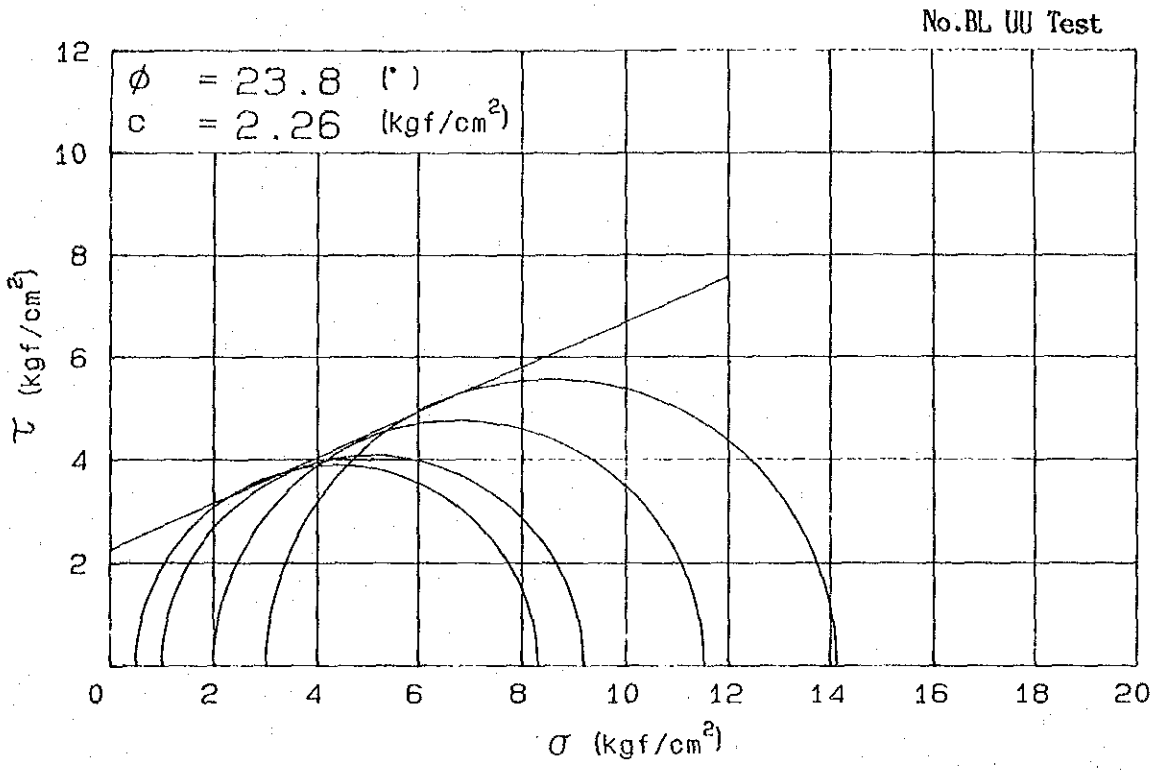
FOR REPORTING (POUR LE RAPPORT)

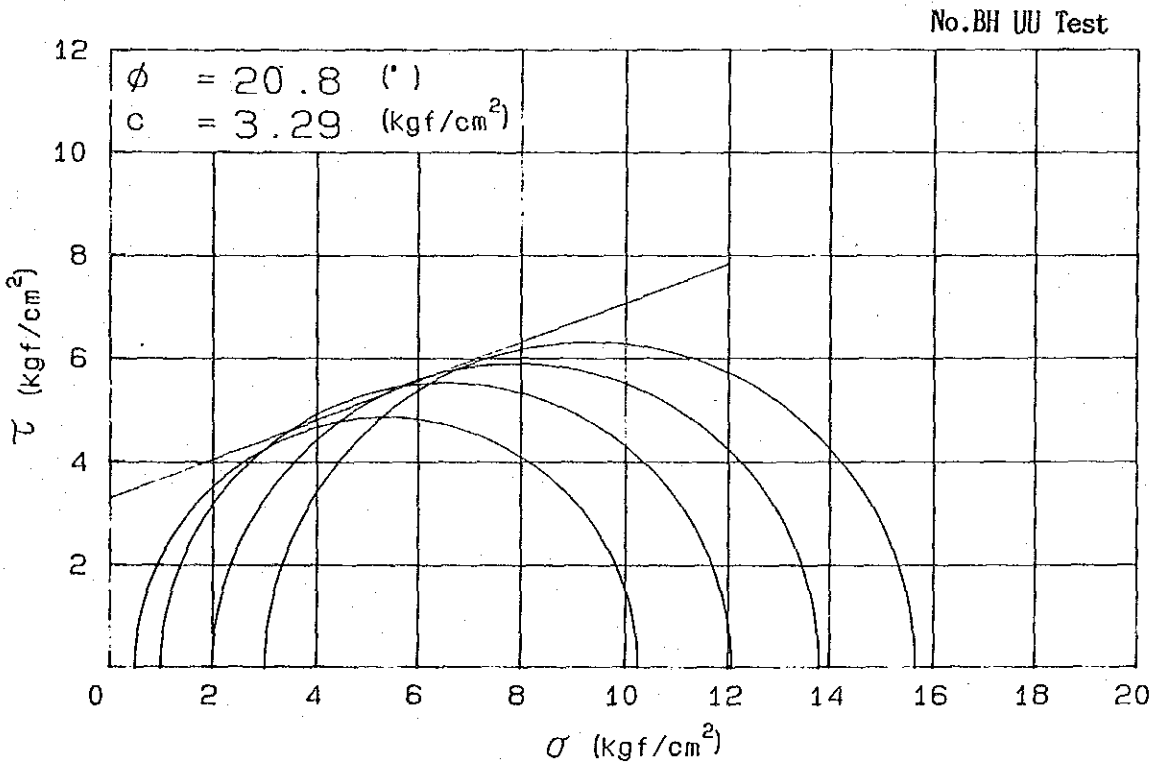
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	BH (m ~ m)	TESTED BY (ESSAI PAR)	

SCOPE (ETENDU)			
	NORMALLY CONSOLIDATED (CONSOLIDÉE NORMALEMENT)	Cu = kg/cm², φu = °	C' = kg/cm², φ' = °
	OVER-CONSOLIDATED (SUR-CONSOLIDÉ)	C = kg/cm², φ = °	C' = kg/cm², φ' = °



15.0 10.0 5.0 τ (kgf/cm²)


No.BL UU Test
φ = 23.8 (°)
c = 2.26 (kgf/cm²)
τ (kgf/cm²)
σ (kgf/cm²)
0
2
4
6
8
10
12
14
16
18
20


No.BH UU Test
φ = 20.8 (°)
c = 3.29 (kgf/cm²)
τ (kgf/cm²)
σ (kgf/cm²)
0
2
4
6
8
10
12
14
16
18
20

SUMMARY OF SOIL TEST
(RELEVÉ DES ESSAIS DES SOLS)

FOR REPORTING (POUR DE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ): MEMVE – ELE PROJECT

SAMPLE NO. (N° DE L'ÉCHANTILLON)			TP-1		TP-2		
SAMPLE DEPTH (PROFONDEUR DE L'ÉCHANTILLON)		(m)	1.0 ~	3.0 ~	4.0 ~	8.0 ~	~
GRADATION (GRANULOMÉTRIE)	GRAVEL (GRAVIER)	(%)	3	3	2	0	
	SAND (SABLE)	(%)	33	13	20	62	
	SILT (SILT)	(%)	11	27	18	25	
	CLAY (ARGILE)	(%)	53	57	60	13	
	MAX. DIAMETER (DIAMÈTRE MAX.)	(mm)	9.52	4.76	4.76	2.00	
	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	Uc	—	—	—	210	
	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	U'c	—	—	—	4.6	
CONSISTENCY (CONSISTANCE)	LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	w_L (%)	72.0	104.0	98.0	41.8	
	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	w_P (%)	26.7	37.1	36.0	23.8	
	PLASTICITY INDEX (INDICE DE PLASTICITÉ)	Ip	45.3	66.9	62.0	18.4	
※							
SPECIFIC GRAVITY OF SOIL (POIDS SPÉCIFIQUE DU SOL)		Gs	2.658	2.715	2.726	2.632	
NATURAL STATE (ETAT NATURAL)	WATER CONTENT (TENEUR EN EAU)	w (%)	22.43	38.81	31.69	18.58	
	WET DENSITY (DENSITÉ HUMIDE)	γ_t (g/m³)					
	VOID RATIO (INDICE DES VIDES)	e					
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)					
MECHANICAL PROPERTIES (PROPRITÉS MÉCANIQUES)	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — COMPRESSIVE STRENGTH (RÉSISTANCE À LA COMPRESSION)	Qu (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — MODULUS OF ELASTICITY (MODULE D'ÉLASITICITÉ)	Eso (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — SENSITIVITY RATIO (INDICE DE SENSITIVITÉ)	St					
	※※ (1) · (2) — TYPE OF TEST (TYPE DE L'ESSAI) ※※※						
	※※ (1) · (2) — COHESION (COHÉSION)	C (kg/cm²)					
	※※ (1) · (2) — ANGLE OF INTERNAL FRICTION (ANGLE DE FROTTEMENT INTERNE)	φ (°)					
	CONSOLIDATON (CONSOLIDATION) — YIELD STRESS OF CONSOLIDATION (LIMITE D'ÉLASTITÉ DE CONSOLIDATION)	Py (kg/cm²)					
	CONSOLIDATON (CONSOLIDATION) — COMPRESSION INDEX (INDICE DE COMPRESSION)	Cc					

※ CLASSIFICATION (CLASSIFICATION)

※※ (1) : DIRECT SHEAR (CISAILLEMENT), (2) : TRIAXIAL COMPRESSION (COMPRESSION TRIAXIAL)

※※※ UNCONSOLIDATED, UNDRAINED (NON CONSOLIDÉ, NON DRAINÉ) ; UU : CONSOLIDATED, UNDRAINED (CONSOLIDÉ, NON DRAINÉ) ; CU : CONSOLIDATED, DRAINED (CONSOLIDÉ DRAINÉ) ; CD. :

(BAR OVER THE SYMBOL SHOWS THE MEASUREMENT OF PORE WATER PRESSURE (LE TRAIT AU DESSUS DU SYMBOL MONTRE LA PRESSION DE L'EAU INTERSTITIELLE.))

N. K. FORM NO. 015 (1975)

SUMMARY OF SOIL TEST
(RELEVÉ DES ESSAIS DES SOLS)

FOR REPORTING (POUR DE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ): MEMVE – ELE PROJECT

SAMPLE NO. (N° DE L'ÉCHANTILLON)			Tp-3		Tp-5		
SAMPLE DEPTH (PROFONDEUR DE L'ÉCHANTILLON)		(m)	3.0~	7.0~	3.0~	5.0~	10.0~
GRADATION (GRANULOMÉTRIE)	GRAVEL (GRAVIER)	(%)	3	10	0	0	0
	SAND (SABLE)	(%)	26	53	39	32	42
	SILT (SILT)	(%)	19	22	7	21	38
	CLAY (ARGILE)	(%)	52	15	54	47	20
	MAX. DIAMETER (DIAMÈTRE MAX.)	(mm)	9.52	9.52	2.00	2.00	2.00
	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	Uc	—	350	—	—	120
	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	Uc	—	3.9	—	—	0.6
CONSISTENCY (CONSISTANCE)	LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	w_L (%)	95.5	45.5	102.0	86.0	50.5
	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	w_P (%)	33.2	30.6	30.5	31.3	29.1
	PLASTICITY INDEX (INDICE DE PLASTICITÉ)	Ip	62.3	14.9	71.5	54.7	21.4
※							
SPECIFIC GRAVITY OF SOIL (POIDS SPÉCIFIQUE DU SOL)		Gs	2.710	2.797	2.669	2.665	2.622
NATURAL STATE (ETAT NATURAL)	WATER CONTENT (TENEUR EN EAU)	w (%)	28.74	33.56	25.93	28.91	33.23
	WET DENSITY (DENSITÉ HUMIDE)	γ_t (g/m³)					
	VOID RATIO (INDICE DES VIDES)	e					
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)					
MECHANICAL PROPERTIES (PROPRIÉTÉS MÉCANIQUES)	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — COMPRESSIVE STRENGTH (RÉSISTANCE À LA COMPRESSION)	q_u (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — MODULUS OF ELASTICITY (MODULE D'ÉLASITICITÉ)	E_{50} (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — SENSITIVITY RATIO (INDICE DE SENSITIVITÉ)	St					
	※※ (1) · (2) — TYPE OF TEST (TYPE DE L'ESSAI) ※※※						
	※※ (1) · (2) — COHESION (COHÉSION)	C (kg/cm²)					
	※※ (1) · (2) — ANGLE OF INTERNAL FRICTION (ANGLE DE FROTTEMENT INTERNE)	φ (°)					
	CONSOLIDATION (CONSOLIDATION) — YIELD STRESS OF CONSOLIDATION (LIMITE D'ÉLASTITÉ DE CONSOLIDATION)	Py (kg/cm²)					
	CONSOLIDATION (CONSOLIDATION) — COMPRESSION INDEX (INDICE DE COMPRESSION)	Cc					

※ CLASSIFICATION (CLASSIFICATION)

※※ (1): DIRECT SHEAR (CISAILLEMENT), (2): TRIAXIAL COMPRESSION (COMPRESSION TRIAXIAL)

※※※ UNCONSOLIDATED, UNDRAINED (NON CONSOLIDÉ, NON DRAINÉ): UU; CONSOLIDATED, UNDRAINED (CONSOLIDÉ, NON DRAINÉ): CU; CONSOLIDATED, DRAINED (CONSOLIDÉ DRAINÉ): CD.

(BAR OVER THE SYMBOL SHOWS THE MEASUREMENT OF PORE WATER PRESSURE (LE TRAIT AU DESSUS DU SYMBOL MONTRE LA PRESSION DE L'EAU INTERSTITIELLE.))

N. K. FORM NO. 015 (1975)

SUMMARY OF SOIL TEST
(RELEVÉ DES ESSAIS DES SOLS)

FOR REPORTING (POUR DE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ): MEMVE−ELE PROJECT

SAMPLE NO. (N°DE L'ÉCHANTILLON)			Tp-6				
SAMPLE DEPTH (PROFONDEUR DE L'ÉCHANTILLON)		(m)	3.0 ~	5.0 ~	10.0 ~	~	~
GRADATION (GRANULOMÉTRIE)	GRAVEL (GRAVIER)	(%)	0	1	0		
	SAND (SABLE)	(%)	40	41	29		
	SILT (SILT)	(%)	7	6	37		
	CLAY (ARGILE)	(%)	53	52	34		
	MAX. DIAMETER (DIAMÈTRE MAX.)	(mm)	2.00	4.76	2.00		
	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	Uc	—	—	—		
	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	U'c	—	—	—		
CONSISTENCY (CONSISTANCE)	LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	w_L (%)	90.0	96.0	90.5		
	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	w_P (%)	29.2	32.7	39.6		
	PLASTICITY INDEX (INDICE DE PLASTICITÉ)	Ip	60.8	63.3	50.9		
*							
SPECIFIC GRAVITY OF SOIL (POIDS SPÉCIFIQUE DU SOL)		Gs	2.687	2.691	2.683		
NATURAL STATE (ETAT NATURAL)	WATER CONTENT (TENEUR EN EAU)	w (%)	25.29	25.15	44.68		
	WET DENSITY (DENSITÉ HUMIDE)	γ_t (g/m³)					
	VOID RATIO (INDICE DES VIDES)	e					
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)					
MECHANICAL PROPERTIES (PROPRIÉTÉS MÉCANIQUES)	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — COMPRESSIVE STRENGTH (RÉSISTANCE À LA COMPRESSION)	qu (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — MODULUS OF ELASTICITY (MODULE D'ÉLASITICITÉ)	Eso (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — SENSITIVITY RATIO (INDICE DE SENSITIVITÉ)	St					
	** (1) · (2) — TYPE OF TEST (TYPE DE L'ESSAI) ***						
	** (1) · (2) — COHESION (COHÉSION)	C (kg/cm²)					
	** (1) · (2) — ANGLE OF INTERNAL FRICTION (ANGLE DE FROTTEMENT INTERNE)	φ (°)					
	CONSOLIDATON (CONSOLIDATION) — YIELD STRESS OF CONSOLIDATION (LIMITE D'ÉLASTITÉ DE CONSOLIDATION)	Py (kg/cm²)					
	CONSOLIDATON (CONSOLIDATION) — COMPRESSION INDEX (INDICE DE COMPRESSION)	Cc					

*CLASSIFICATION (CLASSIFICATION)
** (1): DIRECT SHEAR (CISAILLEMENT), (2): TRIAXIAL COMPRESSION (COMPRESSION TRIAXIAL)
***UNCONSOLIDATED, UNDRAINED (NON CONSOLIDÉ, NON DRAINÉ); UU: CONSOLIDATED, UNDRAINED (CONSOLIDÉ, NON DRAINÉ); CU: CONSOLIDATED, DRAINED (CONSOLIDÉ DRAINÉ); CD.:

(BAR OVER THE SYMBOL SHOWS THE MEASUREMENT OF PORE WATER PRESSURE
(LE TRAIT AU DESSUS DU SYMBOL MONTRE LA PRESSION DE L'EAU INTERSTITIELLE.))

N. K. FORM NO. 015 (1975)

SUMMARY OF SOIL TEST
(RELEVÉ DES ESSAIS DES SOLS)

FOR REPORTING (POUR DE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ): MEMVE-ELE PROJECT

SAMPLE NO. (N° DE L'ÉCHANTILLON)			TP-7				
SAMPLE DEPTH (PROFONDEUR DE L'ÉCHANTILLON)		(m)	3.0~	5.0~	10.0~	~	~
GRADATION (GRANULOMÉTRIE)	GRAVEL (GRAVIER)	(%)	0	0	0		
	SAND (SABLE)	(%)	0	40	37		
	SILT (SILT)	(%)	62	27	35		
	CLAY (ARGILE)	(%)	38	33	28		
	MAX. DIAMETER (DIAMÈTRE MAX.)	(mm)	0.42	2.00	2.00		
	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	Uc	—	—	—		
	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	U'c	—	—	—		
CONSISTENCY (CONSISTANCE)	LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	w_L (%)	86.5	57.5	58.7		
	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	w_P (%)	30.7	28.7	33.1		
	PLASTICITY INDEX (INDICE DE PLASTICITÉ)	Ip	55.8	28.8	25.6		
*							
SPECIFIC GRAVITY OF SOIL (POIDS SPÉCIFIQUE DU SOL)		Gs	2.737	2.649	2.642		
NATURAL STATE (ETAT NATURAL)	WATER CONTENT (TENEUR EN EAU)	w (%)	25.30	23.68	38.68		
	WET DENSITY (DENSITÉ HUMIDE)	γ_t (g/m³)					
	VOID RATIO (INDICE DES VIDES)	e					
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)					
MECHANICAL PROPERTIES (PROPRITÉS MÉCANIQUES) UNCONFINED COMPRESSION (COMPRESSION UNIAXE)	COMPRESSIVE STRENGTH (RÉSISTANCE À LA COMPRESSION)	q_u (kg/cm²)					
	MODULUS OF ELASTICITY (MODULE D'ÉLASITICITÉ)	E_{50} (kg/cm²)					
	SENSITIVITY RATIO (INDICE DE SENSITIVITÉ)	St					
** (1) · (2)	TYPE OF TEST (TYPE DE L'ESSAI) ***						
	COHESION (COHÉSION)	C (kg/cm²)					
	ANGLE OF INTERNAL FRICTION (ANGLE DE FROTTEMENT INTERNE)	ϕ (°)					
CONSOLIDATION (CONSOLIDATION)	YIELD STRESS OF CONSOLIDATION (LIMITE D'ÉLASTITÉ DE CONSOLIDATION)	Py (kg/cm²)					
	COMPRESSION INDEX (INDICE DE COMPRESSION)	Cc					

* CLASSIFICATION (CLASSIFICATION)

** (1): DIRECT SHEAR (CISAILLEMENT), (2): TRIAXIAL COMPRESSION (COMPRESSION TRIAXIAL)

*** UNCONSOLIDATED, UNDRAINED (NON CONSOLIDÉ, NON DRAINÉ); UU: CONSOLIDATED, UNDRAINED (CONSOLIDÉ, NON DRAINÉ); CU: CONSOLIDATED, DRAINED (CONSOLIDÉ DRAINÉ); CD.:

(BAR OVER THE SYMBOL SHOWS THE MEASUREMENT OF PORE WATER PRESSURE (LE TRAIT AU DESSUS DU SYMBOL MONTRE LA PRESSION DE L'EAU INTERSTITIELLE.))

N. K. FORM NO. 015 (1975)

SUMMARY OF SOIL TEST
(RELEVÉ DES ESSAIS DES SOLS)

FOR REPORTING
(POUR DE RAPPORT)

NAME OF SURVEY & LOCALITY
(DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)

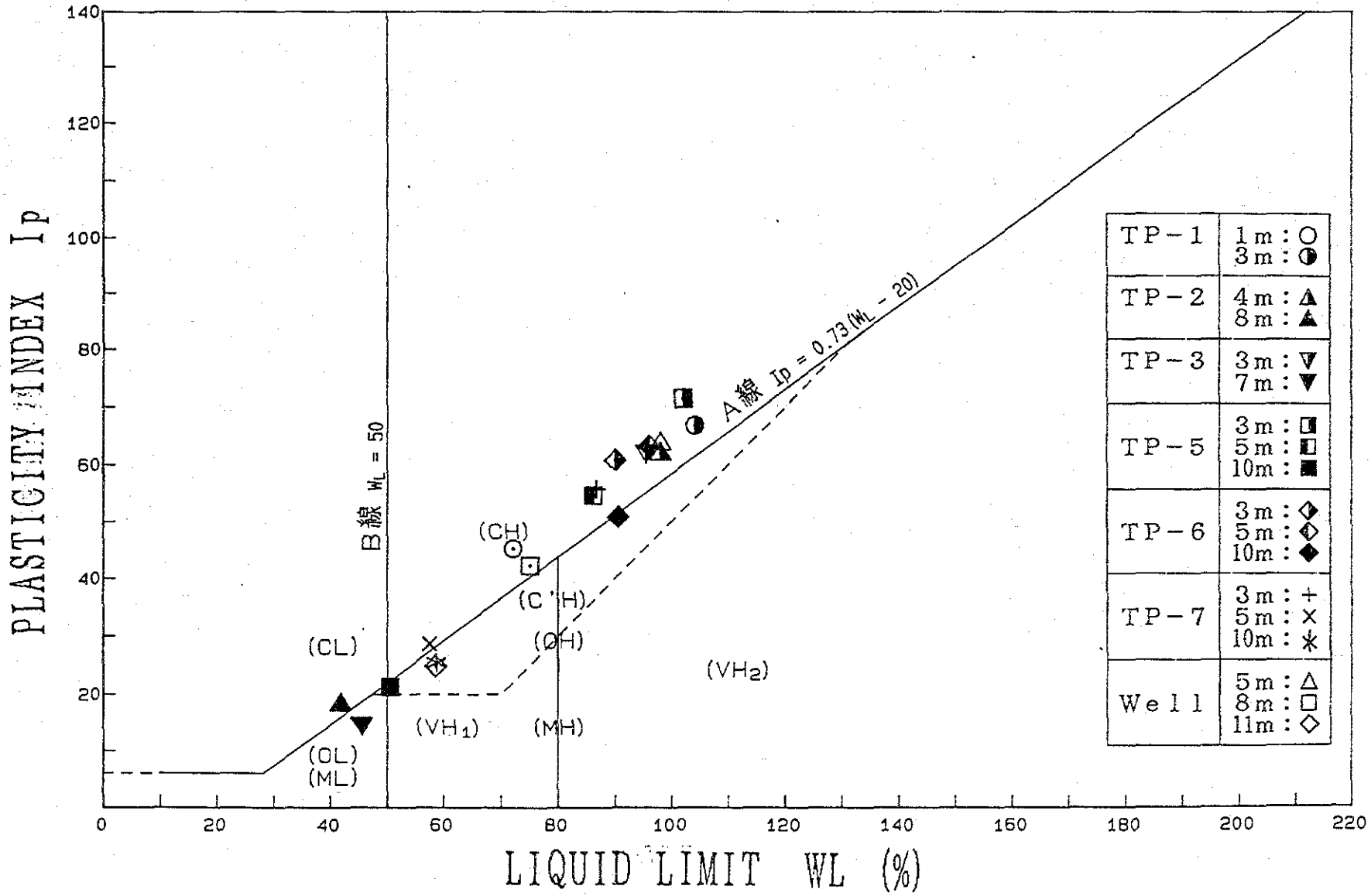
MEMVE-ELE PROJECT

SAMPLE NO. (N° DE L'ÉCHANTILLON)			Wall				
SAMPLE DEPTH (PROFONDEUR DE L'ÉCHANTILLON)		(m)	5.0 ~	8.0 ~	11.0	~	~
GRADATION (GRANULOMÉTRIE)	GRAVEL (GRAVIER)	(%)	0	0	0		
	SAND (SABLE)	(%)	23	31	34.0		
	SILT (SILT)	(%)	23	30	49.0		
	CLAY (ARGILE)	(%)	54	39	17.0		
	MAX. DIAMETER (DIAMÈTRE MAX.)	(mm)	2.0	4.76	2.00		
	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	Uc	—	—	—		
	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	Uc	—	—	—		
CONSISTENCY (CONSISTANCE)	LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	w_L (%)	98.0	75.0	58.5		
	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	w_P (%)	34.2	32.7	33.5		
	PLASTICITY INDEX (INDICE DE PLASTICITÉ)	Ip	63.8	42.3	25.0		
※							
SPECIFIC GRAVITY OF SOIL (POIDS SPÉCIFIQUE DU SOL)		Gs	2.712	2.679	2.692		
NATURAL STATE (ÉTAT NATURAL)	WATER CONTENT (TENEUR EN EAU)	w (%)	36.00	22.90	30.00		
	WET DENSITY (DENSITÉ HUMIDE)	γ_t (g/m³)					
	VOID RATIO (INDICE DES VIDES)	e					
	DEGREE OF SATURATION (DEGRÉ DE SATURATION)	Sr (%)					
MECHANICAL PROPERTIES (PROPRIÉTÉS MÉCANIQUES)	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — COMPRESSIVE STRENGTH (RÉSISTANCE À LA COMPRESSION)	q_u (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — MODULUS OF ELASTICITY (MODULE D'ÉLASITICITÉ)	E_{50} (kg/cm²)					
	UNCONFINED COMPRESSION (COMPRESSION UNIAXE) — SENSITIVITY RATIO (INDICE DE SENSITIVITÉ)	St					
	※※ (1)・(2) — TYPE OF TEST (TYPE DE L'ESSAI) ※※※						
	※※ (1)・(2) — COHESION (COHÉSION)	C (kg/cm²)					
	※※ (1)・(2) — ANGLE OF INTERNAL FRICTION (ANGLE DE FROTTEMENT INTERNE)	φ (°)					
	CONSOLIDATION (CONSOLIDATION) — YIELD STRESS OF CONSOLIDATION (LIMITE D'ÉLASTITÉ DE CONSOLIDATION)	Py (kg/cm²)					
	CONSOLIDATION (CONSOLIDATION) — COMPRESSION INDEX (INDICE DE COMPRESSION)	Cc					

※ CLASSIFICATION (CLASSIFICATION)
※※ (1) : DIRECT SHEAR (CISAILLEMENT), (2) : TRIAXIAL COMPRESSION (COMPRESSION TRIAXIAL)
※※※ UNCONSOLIDATED, UNDRAINED (NON CONSOLIDÉ, NON DRAINÉ) ; UU : CONSOLIDATED, UNDRAINED (CONSOLIDÉ, NON DRAINÉ) ; CU : CONSOLIDATED, DRAINED (CONSOLIDÉ DRAINÉ) ; CD. :

(BAR OVER THE SYMBOL SHOWS THE MEASUREMENT OF PORE WATER PRESSURE
(LE TRAIT AU DESSUS DU SYMBOL MONTRE LA PRESSION DE L'EAU INTERSTITIELLE.))

N. K. FORM NO. 015 (1975)


PLASTICITY INDEX Ip
LIQUID LIMIT WL (%)
A線 Ip = 0.73(WL - 20)
B線 WL = 50
(CH)
(CH')
(OH)
(CL)
(VH1)
(VH2)
(MH)
(OL)
(ML)
TP-1 1m : ○ 3m : ◑
TP-2 4m : ▲ 8m : ▲
TP-3 3m : ▼ 7m : ▼
TP-5 3m : ◨ 5m : ◧ 10m : ■
TP-6 3m : ◈ 5m : ◈ 10m : ◆
TP-7 3m : + 5m : × 10m : ✳
Well 5m : △ 8m : □ 11m : ◇

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-1 1.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		1	7	11	
Wt. of Pycnometer W_f in g		35.072	42.777	41.367	
Wt. (Pycnometer+water) W'_a in g		139.527	144.599	143.133	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		146.000	151.215	150.481	
Temperature of Calibration (corresponding to W_b) T °C		12	12	12	
Weight of dry Soil W_0	No. of Container	1	7	11	
	Wt.(Container +dry soil) in g	39.478	47.634	47.049	
	Wt. Container in g	29.074	36.980	35.284	
	W_0 in g	10.404	10.654	11.765	
Deflocculating agent and its amount					
*Wt. (Pycnometer+water) calculated for T°C W_a in g		139.516	144.588	143.122	
$W_0+(W_a-W_b)$ in g		3.920	4.027	4.406	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.654	2.646	2.67	
Coefficient for temperature correction K		1.0004	1.0004	1.0004	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.655	2.647	2.671	
Mean value		Specific gravity (15°C) = 2.658			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No._____

LOCATION MEMVE-ELE PROJECT DATE_____

SAMPLE NO. TP-1 3.0 TESTED BY_____

Determination NO.		1	2	3	4
No. of Pycnometer		16	19	21	
Wt. of Pycnometer W_f in g		42.197	42.859	41.077	
Wt. (Pycnometer + water) W'_a in g		142.767	144.786	143.762	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		149.137	150.774	150.220	
Temperature of Calibration (corresponding to W_b) T °C		12	12	12	
Weight of dry Soil W_0	No. of Container	16	19	21	
	Wt. (Container + dry soil) in g	46.226	46.438	45.469	
	Wt. Container in g	36.111	36.940	35.236	
	W_0 in g	10.115	9.498	10.233	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in. g		142.756	144.775	143.751	
$W_0+(W_a-W_b)$ in g		3.734	3.499	3.764	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.709	2.714	2.719	
Coefficient for temperature correction K		1.0004	1.0004	1.0004	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.710	2.715	2.720	
Mean value		Specific gravity (15°C) = 2.715			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-2 4.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		23	24	31	
Wt. of Pycnometer W_f in g		35.601	40.208	39.912	
Wt. (Pycnometer + water) W'_a in g		146.351	144.341	142.139	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		152.497	150.905	149.125	
Temperature of Calibration (corresponding to W_b) T °C		13	13	13	
Weight of dry Soil W_0	No. of Container	23	24	31	
	Wt. (Container + dry soil) in g	49.412	44.628	45.134	
	Wt. Container in g	39.660	34.200	34.090	
	W_0 in g	9.752	10.428	11.044	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in g		146.328	144.317	142.116	
$W_0+(W_a-W_b)$ in g		3.583	3.840	4.035	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.722	2.716	2.737	
Coefficient for temperature correction K		1.0003	1.0003	1.0003	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.723	2.717	2.738	
Mean value		Specific gravity (15°C) = 2.726			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No._____

LOCATION MEMVE-ELE PROJECT DATE _____

SAMPLE NO. TP-2 8.0 TESTED BY _____

Determination NO.		1	2	3	4
No. of Pycnometer		32	33	37	
Wt. of Pycnometer W_f in g		39.884	38.028	41.468	
Wt. (Pycnometer + water) W'_a in g		142.013	140.697	143.614	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		149.630	148.525	151.627	
Temperature of Calibration (corresponding to W_b) T °C		13	13	13	
Weight of dry Soil W_0	No. of Container	32	33	37	
	Wt. (Container + dry soil) in g	46.278	44.673	48.328	
	Wt. Container in g	33.941	32.014	35.368	
	W_0 in g	12.337	12.659	12.960	
Deflocculating agent and its amount					
*Wt. (Pycnometer + water) calculated for T°C W_a in g		141.990	140.674	143.591	
$W_0+(W_a-W_b)$ in g		4.697	4.808	4.924	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.627	2.633	2.632	
Coefficient for temperature correction K		1.0003	1.0003	1.0003	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.628	2.634	2.633	
Mean value		Specific gravity (15°C) = 2.632			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-3 3.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		42	43	48	
Wt. of Pycnometer W_f in g		43.591	39.280	45.666	
Wt. (Pycnometer + water) W'_a in g		144.362	143.037	145.755	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		149.489	148.701	151.322	
Temperature of Calibration (corresponding to W_b) T °C		13	13	13	
Weight of dry Soil W_0	No. of Container	42	43	48	
	Wt. (Container + dry soil) in g	45.982	42.408	48.510	
	Wt. Container in g	37.819	33.396	39.647	
	W_0 in g	8.163	9.012	8.863	
Deflocculating agent and its amount					
*Wt. (Pycnometer + water) calculated for T°C W_a in g		144.339	143.013	145.732	
$W_0+(W_a-W_b)$ in g		3.013	3.324	3.273	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.709	2.711	2.708	
Coefficient for temperature correction K		1.0003	1.0003	1.0003	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.710	2.712	2.709	
Mean value		Specific gravity (15°C) = 2.710			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-3 7.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		5	8	9	
Wt. of Pycnometer W_f in g		35.273	33.307	37.012	
Wt. (Pycnometer+water) W'_a in g		142.883	142.385	140.599	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		148.596	149.330	147.197	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	5	8	9	
	Wt.(Container +dry soil) in g	38.028	38.128	41.536	
	Wt. Container in g	29.004	27.235	31.163	
	W_0 in g	9.024	10.893	10.373	
Deflocculating agent and its amount					
*Wt. (Pycnometer+water) calculated for T°C W_a in g		142.812	142.313	140.530	
$W_0+(W_a-W_b)$ in g		3.240	3.876	3.706	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.785	2.81	2.799	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.784	2.809	2.798	
Mean value		Specific gravity (15°C) = 2.797			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-5 3.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		12	15	22	
Wt. of Pycnometer W_f in g		33.715	34.058	33.958	
Wt. (Pycnometer + water) W'_a in g		137.164	146.126	142.721	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		143.099	152.907	149.189	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	12	15	22	
	Wt. (Container + dry soil) in g	37.267	38.357	38.014	
	Wt. Container in g	27.643	27.410	27.575	
	W_0 in g	9.624	10.947	10.439	
Deflocculating agent and its amount					
*Wt. (Pycnometer + water) calculated for T°C W_a in g		137.096	146.052	142.649	
$W_0+(W_a-W_b)$ in g		3.621	4.092	3.889	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.658	2.675	2.677	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.657	2.674	2.676	
Mean value		Specific gravity (15°C) = 2.669			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP - 5 3.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		25	27	30	
Wt. of Pycnometer W_f in g		33.687	34.901	43.145	
Wt. (Pycnometer + water) W'_a in g		137.065	145.363	146.089	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		145.780	154.386	154.081	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	25	27	30	
	Wt. (Container + dry soil) in g	41.290	42.845	50.207	
	Wt. Container in g	27.226	28.306	37.306	
	W_0 in g	14.064	14.539	12.901	
Deflocculating agent and its amount					
*Wt. (Pycnometer + water) calculated for T°C W_a in g		136.997	145.290	146.021	
$W_0+(W_a-W_b)$ in g		5.281	5.443	4.841	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.663	2.671	2.665	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.662	2.670	2.664	
Mean value		Specific gravity (15°C) = 2.665			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No. _____

LOCATION MEMVE-ELE PROJECT DATE _____

SAMPLE NO. TP-5 10.0 TESTED BY _____

Determination NO.		1	2	3	4
No. of Pycnometer		35	36	40	
Wt. of Pycnometer W_f in g		44.579	54.525	49.454	
Wt. (Pycnometer+water) W'_a in g		146.277	151.731	147.545	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		155.323	160.837	157.118	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	35	36	40	
	Wt. (Container +dry soil) in g	53.329	63.630	59.190	
	Wt. Container in g	38.596	48.811	43.617	
	W_0 in g	14.733	14.819	15.573	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer+water) calculated for T°C W_a in g		146.210	151.667	147.480	
$W_0+(W_a-W_b)$ in g		5.620	5.649	5.935	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.622	2.623	2.624	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.621	2.622	2.623	
Mean value		Specific gravity (15°C) = 2.622			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-6 3.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		46	52	51	
Wt. of Pycnometer W_f in g		41.882	39.687	51.933	
Wt. (Pycnometer+water) W'_a in g		144.654	145.547	150.198	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		152.907	154.722	157.716	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	46	52	51	
	Wt.(Container +dry soil) in g	49.595	48.320	58.380	
	Wt. Container in g	36.334	33.583	46.327	
	W_0 in g	13.261	14.737	12.053	
Deflocculating agent and its amount					
*Wt. (Pycnometer+water) calculated for T°C W_a in g		144.586	145.477	150.133	
$W_0+(W_a-W_b)$ in g		4.940	5.492	4.470	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.684	2.683	2.696	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.683	2.682	2.695	
Mean value		Specific gravity (15°C) = 2.687			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-6 5.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		61	63	64	
Wt. of Pycnometer W_f in g		44.481	42.331	39.160	
Wt. (Pycnometer+water) W'_a in g		145.449	143.993	148.679	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		151.424	150.088	155.868	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	61	63	64	
	Wt.(Container +dry soil) in g	48.129	46.127	44.303	
	Wt. Container in g	38.498	36.332	32.761	
	W_0 in g	9.631	9.795	11.542	
Deflocculating agent and its amount					
*Wt. (Pycnometer+water) calculated for T°C W_a in g		145.382	143.926	148.606	
$W_0+(W_a-W_b)$ in g		3.589	3.633	4.280	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.683	2.696	2.697	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.682	2.695	2.696	
Mean value		Specific gravity (15°C) = 2.691			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-7 3.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		6	17	41	
Wt. of Pycnometer W_f in g		33.746	47.613	45.475	
Wt. (Pycnometer + water) W'_a in g		134.561	147.515	145.548	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		141.626	153.926	150.448	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	6	17	41	
	Wt. (Container + dry soil) in g	38.577	51.719	47.616	
	Wt. Container in g	27.359	41.501	39.792	
	W_0 in g	11.218	10.218	7.824	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in g		134.494	147.449	145.482	
$W_0+(W_a-W_b)$ in g		4.086	3.741	2.858	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C	$G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$	2.745	2.731	2.738	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C	$G_{(15°C)}=K\times G_{(T°C)}$	2.744	2.730	2.737	
Mean value		Specific gravity (15°C) = 2.737			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No._____

LOCATION MEMVE-ELE PROJECT DATE _____

SAMPLE NO. TP-6 10.0 TESTED BY _____

Determination NO.		1	2	3	4
No. of Pycnometer		140	141	217	
Wt. of Pycnometer W_f in g		47.638	46.955	43.384	
Wt. (Pycnometer+water) W'_a in g		158.796	156.580	156.400	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		162.990	162.418	163.302	
Temperature of Calibration (corresponding to W_b) T °C		16	16	16	
Weight of dry Soil W_0	No. of Container	140	141	217	
	Wt. (Container +dry soil) in g	47.552	49.665	48.186	
	Wt. Container in g	40.743	40.247	37.075	
	W_0 in g	6.809	9.418	11.111	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer+water) calculated for T°C W_a in g		158.722	156.507	156.325	
$W_0+(W_a-W_b)$ in g		2.541	3.507	4.134	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.68	2.685	2.688	
Coefficient for temperature correction K		0.9998	0.9998	0.9998	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.679	2.684	2.687	
Mean value		Specific gravity (15°C) = 2.683			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No._____

LOCATION MEMVE-ELE PROJECT DATE _____

SAMPLE NO. TP-7 5.0 TESTED BY _____

Determination NO.		1	2	3	4
No. of Pycnometer		38	164	218	
Wt. of Pycnometer W_f in g		44.262	33.590	36.657	
Wt. (Pycnometer + water) W'_a in g		145.047	137.619	153.776	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		151.567	143.479	161.398	
Temperature of Calibration (corresponding to W_b) T °C		17	17	17	
Weight of dry Soil W_0	No. of Container	38	164	218	
	Wt. (Container + dry soil) in g	49.168	37.188	42.379	
	Wt. Container in g	38.544	27.638	29.999	
	W_0 in g	10.624	9.550	12.380	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in g		144.963	137.533	153.679	
$W_0+(W_a-W_b)$ in g		4.020	3.604	4.661	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.643	2.650	2.656	
Coefficient for temperature correction K		0.9997	0.9997	0.9997	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.642	2.649	2.655	
Mean value		Specific gravity (15°C) = 2.649			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. TP-7 10.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		114	118	135	
Wt. of Pycnometer W_f in g		44.858	42.707	43.381	
Wt. (Pycnometer + water) W'_a in g		151.158	149.278	147.430	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		156.094	157.573	156.061	
Temperature of Calibration (corresponding to W_b) T °C		17	17	17	
Weight of dry Soil W_0	No. of Container	114	118	135	
	Wt. (Container + dry soil) in g	43.201	47.230	47.347	
	Wt. Container in g	35.130	33.724	33.324	
	W_0 in g	8.071	13.506	14.023	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in g		151.070	149.190	147.344	
$W_0+(W_a-W_b)$ in g		3.047	5.123	5.306	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C	$G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$	2.649	2.636	2.643	
Coefficient for temperature correction	K	0.9997	0.9997	0.9997	
Specific Gravity at 15°C	$G_{(15°C)}=K\times G_{(T°C)}$	2.648	2.635	2.642	
Mean value		Specific gravity (15°C) = 2.642			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No._____

LOCATION MEMVE-ELE PROJECT DATE _____

SAMPLE NO. WELL 5.0 TESTED BY _____

Determination NO.		1	2	3	4
No. of Pycnometer		49	50	53	
Wt. of Pycnometer W_f in g		39.684	40.425	43.270	
Wt. (Pycnometer + water) W'_a in g		142.046	142.544	146.004	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		145.576	146.709	149.833	
Temperature of Calibration (corresponding to W_b) T °C		13	13	13	
Weight of dry Soil W_0	No. of Container	49	50	5[illegible]	
	Wt. (Container + dry soil) in g	39.221	41.622	43.636	
	Wt. Container in g	33.591	34.995	37.524	
	W_0 in g	5.630	6.627	6.112	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in g		142.023	142.521	145.981	
$W_0+(W_a-W_b)$ in g		2.077	2.439	2.260	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.711	2.717	2.704	
Coefficient for temperature correction K		1.0003	1.0003	1.0003	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.712	2.718	2.705	
Mean value		Specific gravity (15°C) = 2.712			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

N.K. Form No. 3132

SPECIFIC GRAVITY TEST

No.

LOCATION MEMVE-ELE PROJECT DATE

SAMPLE NO. WELL 8.0 TESTED BY

Determination NO.		1	2	3	4
No. of Pycnometer		54	55	56	
Wt. of Pycnometer W_f in g		44.417	49.586	46.614	
Wt. (Pycnometer + water) W'_a in g		144.627	148.156	146.370	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer + soil + water) W_b in g		148.832	152.820	151.237	
Temperature of Calibration (corresponding to W_b) T °C		13	13	13	
Weight of dry Soil W_0	No. of Container	54	55	56	
	Wt. (Container + dry soil) in g	45.569	51.137	48.672	
	Wt. Container in g	38.812	43.648	40.889	
	W_0 in g	6.757	7.489	7.783	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer + water) calculated for T°C W_a in g		144.604	148.134	146.347	
$W_0+(W_a-W_b)$ in g		2.529	2.803	2.893	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.672	2.672	2.690	
Coefficient for temperature correction K		1.0003	1.0003	1.0003	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.673	2.673	2.691	
Mean value		Specific gravity (15°C) = 2.679			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

SPECIFIC GRAVITY TEST

No._____

LOCATION MEMVE-ELE PROJECT DATE _____

SAMPLE NO. WELL 10 TESTED BY _____

Determination NO.		1	2	3	4
No. of Pycnometer		57	58	102	
Wt. of Pycnometer W_f in g		44.924	39.995	51.108	
Wt. (Pycnometer+water) W'_a in g		147.495	143.848	156.219	
Temperature of calibration (corresponding with W'_a) T' °C		11	11	11	
Wt. (Pycnometer+soil+water) W_b in g		152.868	150.228	162.785	
Temperature of Calibration (corresponding to W_b) T °C		13	13	13	
Weight of dry Soil W_0	No. of Container	57	58	102	
	Wt.(Container +dry soil) in g	47.488	44.308	54.624	
	Wt. Container in g	38.791	34.007	44.028	
	W_0 in g	8.697	10.301	10.596	
Deflocculating agent and its amount		———	———	———	———
*Wt. (Pycnometer+water) calculated for T°C W_a in g		147.472	143.824	156.195	
$W_0+(W_a-W_b)$ in g		3.301	3.897	4.006	
Deflocculant correction					
$W_0+(W_a-W_b)$ corrected					
Specific Gravity at T°C $G_{(T°C)}=\frac{W_0}{W_0+(W_a-W_b)}$		2.635	2.643	2.645	
Coefficient for temperature correction K		1.0003	1.0003	1.0003	
Specific Gravity at 15°C $G_{(15°C)}=K\times G_{(T°C)}$		2.636	2.644	2.646	
Mean value		Specific gravity (15°C) = 2.642			

*"W_a" is determined from the diagram peculiar to each pycnometer.

Remarks:

WATER CONTENT OF SOIL

No._____

$$\frac{WW(\text{Wt. wet soil}+\text{Container})-DW(\text{Wt. dry soil}+\text{container})}{DW(\text{Wt. dry soil}+\text{container})-TW(\text{Wt. container})}\times 100=\frac{W_w(\text{Wt. of water})}{W_s(\text{Wt. of dry soil})}\times 100=\text{Water Content \%}$$

Date	Sample No.	Mean water content %	Calculation	
	TP-1 1.0m	22.43	WW 12.94 DW DW 10.55 TW W_w W_s No._____ w 22.65	WW 16.97 DW DW 13.83 TW W_w W_s No._____ w 22.70
			WW 15.29 DW DW 12.54 TW W_w W_s No._____ w 21.93	WW DW DW TW W_w W_s No._____ w
	TP-1 3.0m	38.81	WW 15.39 DW DW 10.95 TW W_w W_s No._____ w 40.55	WW 12.42 DW DW 8.94 TW W_w W_s No._____ w 38.93
			WW 18.87 DW DW 13.78 TW W_w W_s No._____ w 36.94	WW DW DW TW W_w W_s No._____ w
	TP-2 4.0m	31.69	WW 11.96 DW DW 9.09 TW W_w W. No._____ w 31.57	WW 14.37 DW DW 10.85 TW W_w W_s No._____ w 32.44
			WW 17.59 DW DW 13.42 TW W_w W_s No._____ w 31.07	WW DW DW TW W_w W_s No. w_____
	TP-2 8.0m	18.58	WW 17.18 DW DW 14.58 TW W_w W_s No._____ w 17.83	WW 15.91 DW DW 13.34 TW W_w W_s No._____ w 19.27
			WW 13.30 DW DW 11.21 TW W_w W_s No._____ w 18.64	WW DW DW TW W_w W_s No._____ w
	TP-3 3.0m	28.74	WW 18.16 DW DW 14.09 TW W_w W_s No._____ w 28.89	WW 12.11 DW DW 9.34 TW W_w W_s No._____ w 29.66
			WW 11.49 DW DW 9.00 TW W_w W_s No._____ w 27.67	WW DW DW TW W_w W_s No._____ w
	TP-3 7.0m	33.56	WW 10.61 DW DW 8.04 TW W_w W_s No._____ w 31.97	WW 10.85 DW DW 8.11 TW W_w W_s No._____ w 33.79
			WW 17.70 DW DW 13.12 TW W_w W_s No._____ w 34.91	WW DW DW TW W_w W_s No._____ w

N. K. Form No. 3130

WATER CONTENT OF SOIL

No._____

$$\frac{WW(\text{Wt. wet soil+Container})-DW(\text{Wt. dry soil+container})}{DW(\text{Wt. dry soil+container})-TW(\text{Wt. container})}\times 100=\frac{W_w(\text{Wt. of water})}{W_s(\text{Wt. of dry soil})}\times 100=\text{Water Content \%}$$

Date	Sample No.	Mean water content %	Calculation	
	TP-5 3.0m	25.93	WW 19.15 DW DW 15.21 TW W_w W_s No._____ w 25.90	WW 8.46 DW DW 6.72 TW W_w W_s No._____ w 25.89
			WW 12.50 DW DW 9.92 TW W_w W_s No._____ w 26.01	WW DW DW TW W_w W_s No._____ w
	TP-5 5.0m	28.91	WW 22.66 DW DW 17.60 TW W_w W_s No._____ w 28.75	WW 17.48 DW DW 13.56 TW W_w W_s No._____ w 28.91
			WW 15.19 DW DW 11.77 TW W_w W_s No._____ w 29.06	WW DW DW TW W_w W_s No._____ w
	TP-5 10.0m	33.23	WW 21.93 DW DW 16.52 TW W_w W_s No._____ w 32.75	WW 18.06 DW DW 13.56 TW W_w W_s No._____ w 33.19
			WW 20.89 DW DW 15.62 TW W_w W_s No._____ w 33.74	WW DW DW TW W_w W_s No._____ w
	TP-6 3.0m	25.29	WW 18.60 DW DW 14.83 TW W_w W_s No._____ w 25.42	WW 13.79 DW DW 11.00 TW W_w W_s No._____ w 25.36
			WW 18.14 DW DW 14.50 TW W_w W_s No._____ w 25.10	WW DW DW TW W_w W_s No._____ w
	TP-6 5.0m	25.15	WW 16.30 DW DW 13.02 TW W_w W_s No._____ w 25.19	WW 9.82 DW DW 7.84 TW W_w W_s No._____ w 25.26
			WW 12.95 DW DW 10.36 TW W_w W_s No._____ w 25.00	WW DW DW TW W_w W_s No._____ w
	TP-6 10.0m	44.68	WW 15.79 DW DW 10.95 TW W_w W_s No._____ w 44.20	WW 14.26 DW DW 9.80 TW W_w W_s No._____ w 45.51
			WW 9.80 DW DW 6.79 TW W_w W_s No._____ w 44.33	WW DW DW TW W_w W_s No._____ w

N. K. Form No. 3130

WATER CONTENT OF SOIL

No._____

$$\frac{WW(\text{Wt. wet soil}+\text{Container})-DW(\text{Wt. dry soil}+\text{container})}{DW(\text{Wt. dry soil}+\text{container})-TW(\text{Wt. container})}\times 100=\frac{W_w(\text{Wt. of water})}{W_s(\text{Wt. of dry soil})}\times 100=\text{Water Content }\%$$

Date	Sample No.	Mean water content %	Calculation	
	TP-7 3.0 m	25.30	WW 12.31 DW DW 9.80 TW W_w W_s No._____ w 25.61	WW 13.49 DW DW 10.94 TW W_w W_s No._____ w 23.31
			WW 11.72 DW DW 9.23 TW W_w W_s No._____ w 26.98	WW DW DW TW W_w W_s No._____ w
	TP-7 5.0 m	23.68	WW 16.87 DW DW 13.67 TW W_w W_s No._____ w 23.41	WW 11.60 DW DW 9.37 TW W_w W_s No._____ w 23.80
			WW 12.73 DW DW 10.28 TW W_w W_s No._____ w 23.83	WW DW DW TW W_w W_s No._____ w
	TP-7 10.0 m	38.68	WW 16.20 DW DW 11.63 TW W_w W. No._____ w 39.29	WW 21.08 DW DW 15.20 TW W_w W_s No._____ w 38.68
			WW 17.41 DW DW 12.61 TW W_w W_s No._____ w 38.07	WW DW DW TW W_w W_s No. w
	WELL 5.0 m	36.00	WW 8.88 DW DW 6.52 TW W_w W_s No._____ w 36.20	WW 10.67 DW DW 7.88 TW W_w W_s No._____ w 35.41
			WW 6.37 DW DW 4.67 TW W_w W_s No._____ w 36.40	WW DW DW TW W_w W_s No._____ w
	WELL 8.0 m	22.90	WW 8.70 DW DW 7.06 TW W_w W_s No._____ w 23.23	WW 6.99 DW DW 5.71 TW W_w W_s No._____ w 22.42
			WW 11.90 DW DW 9.67 TW W_w W_s No._____ w 23.06	WW DW DW TW W_w W_s No._____ w
	WELL 11.0 m	30.00	WW 11.76 DW DW 9.05 TW W_w W_s No._____ w 29.94	WW 10.88 DW DW 8.37 TW W_w W_s No._____ w 29.99
			WW 16.09 DW DW 12.37 TW W_w W_s No._____ w 30.07	WW DW DW TW W_w W_s No._____ w

N. K. Form No. 3130

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

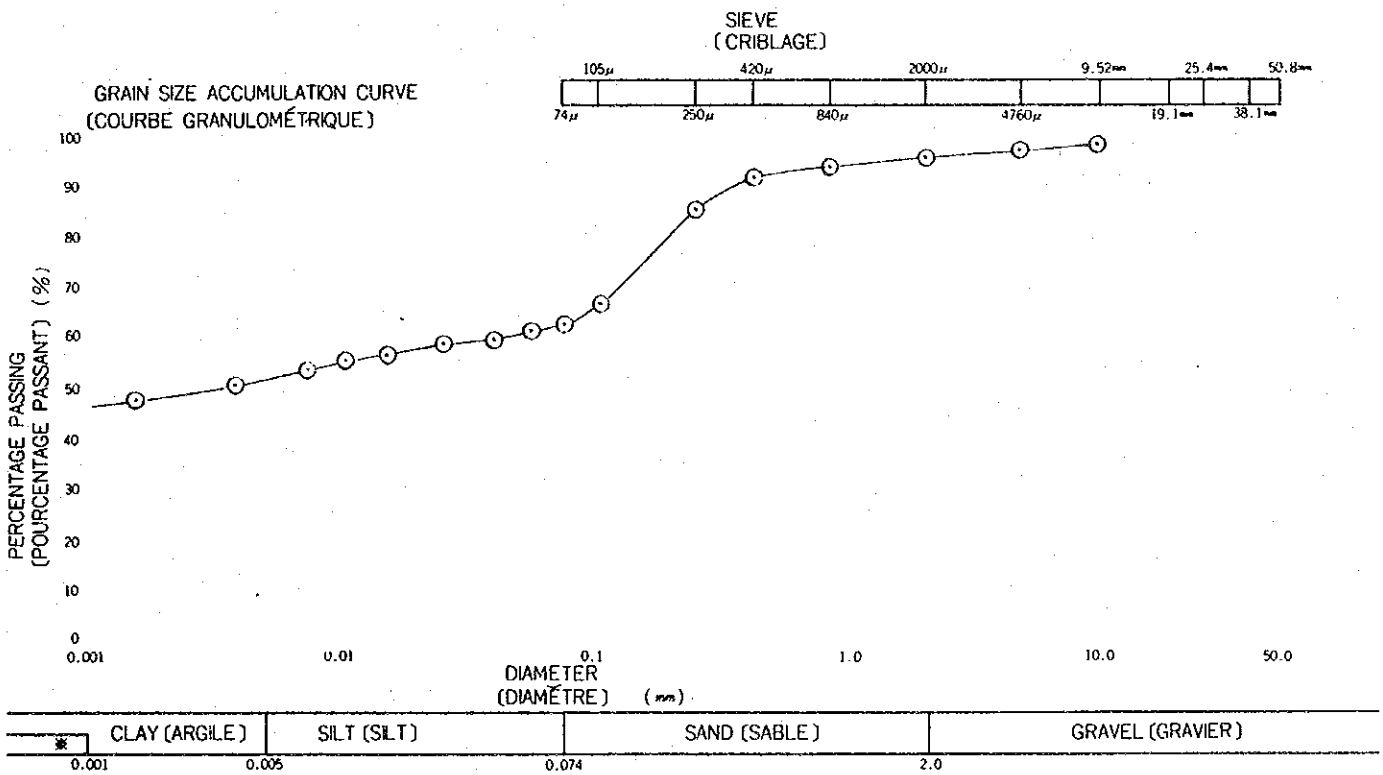
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE−ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-1 (1.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.658

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)					100	99.2	96.5	95.4	93.0	86.5	68.4	64.4
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0548	0.0390	0.0249	0.0145	0.0102	0.0073	0.0037	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	63.2	61.1	59.7	58.2	56.7	55.2	52.2	49.3				



※ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	1 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	9.52 mm
4.76~2.00mm	2 %	60% DIAMETER (DIAMÈTRE 60%)	0.025 mm
2.00~0.42mm	4 %	30% DIAMETER (DIAMÈTRE 30%)	— mm
0.42~0.074mm	29 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074~0.005mm	11 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm>	53 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

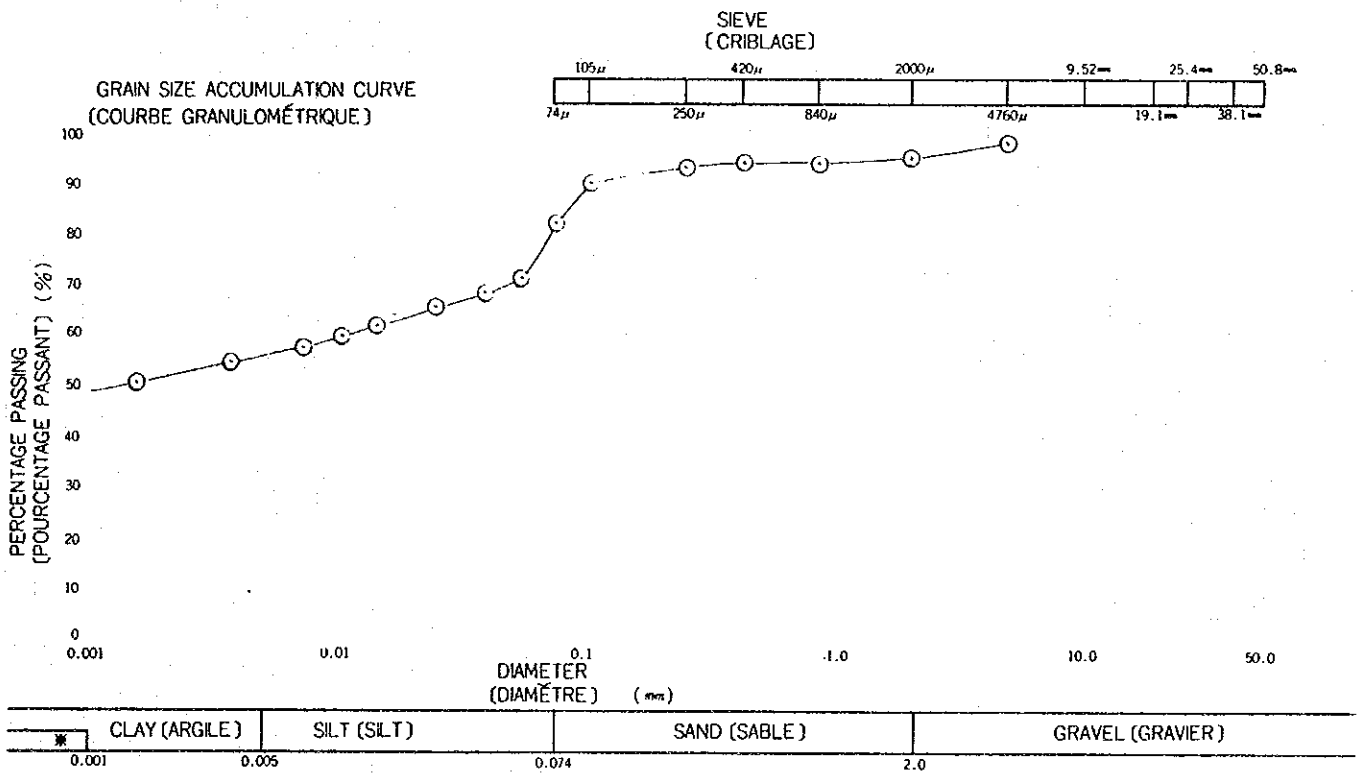
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELÉ PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-1 (3.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.715

	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
SIEVE (CRIBLAGE)	TOTAL PASSING(%) (TOTAL PASSANT)						100	96.8	96.3	95.8	94.5	91.9	83.8
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0536	0.0382	0.0241	0.0140	0.0100	0.0071	0.0036	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	73.4	70.3	66.7	62.6	61.4	59.4	56.2	51.5				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)				
4.76mm <	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	4.76	mm
4.76 ~ 2.00mm	3 %	60% DIAMETER (DIAMÈTRE 60%)	0.009	mm
2.00 ~ 0.42mm	1 %	30% DIAMETER (DIAMÈTRE 30%)	—	mm
0.42 ~ 0.074mm	12 %	10% DIAMETER (DIAMÈTRE 10%)	—	mm
0.074 ~ 0.005mm	27 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—	
0.005mm >	57 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—	

N. K FORM NO 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

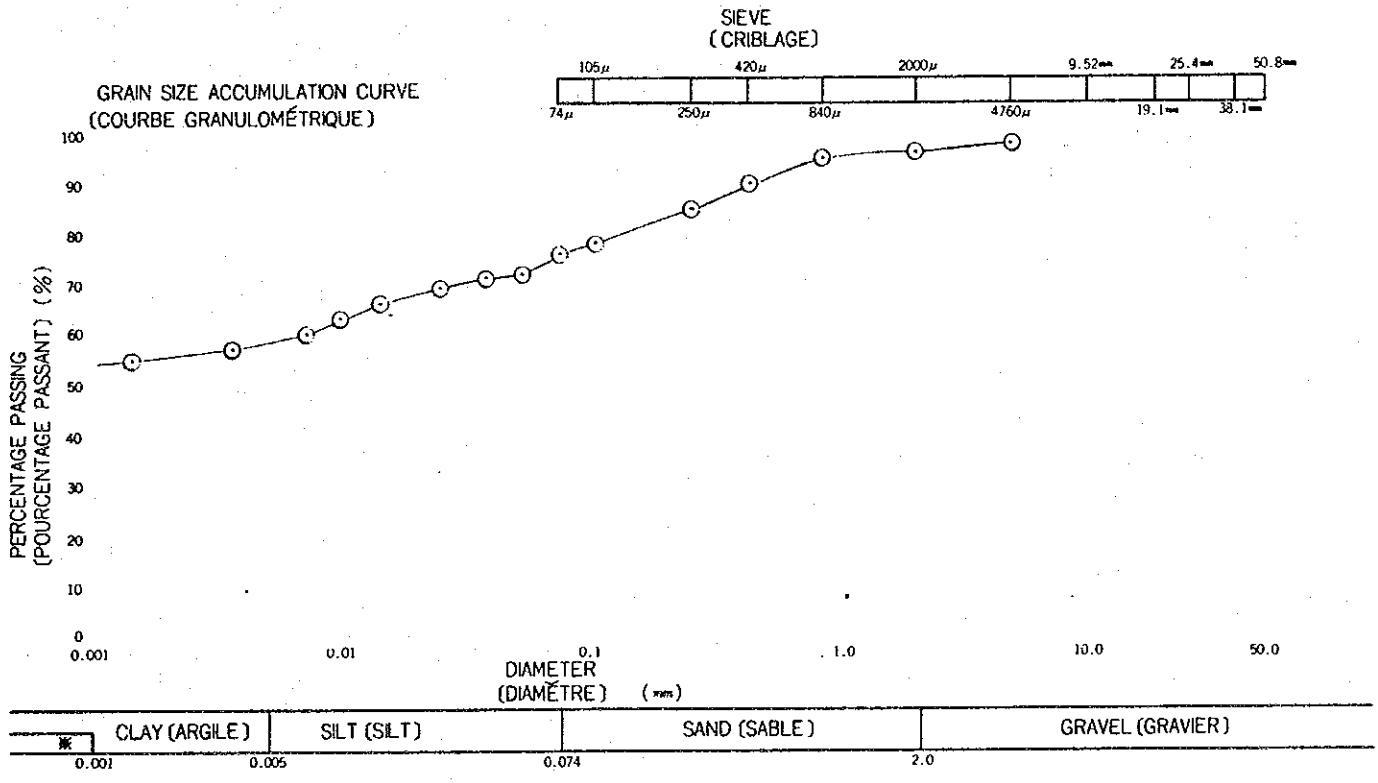
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-2 (4.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.726

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)						100	98.3	96.7	92.3	87.3	80.3	78.4
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0524	0.0373	0.0236	0.0137	0.0098	0.0070	0.0035	0.0014				
	TOTAL PASSING(%) (TOTAL PASSANT)	74.4	72.8	71.3	68.2	65.1	62.0	58.9	57.3				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm <	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	4.76 mm
4.76 ~ 2.00mm	2 %	60% DIAMETER (DIAMÈTRE 60%)	0.005 mm
2.00 ~ 0.42mm	6 %	30% DIAMETER (DIAMÈTRE 30%)	— mm
0.42 ~ 0.074mm	14 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074 ~ 0.005mm	18 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm >	60 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

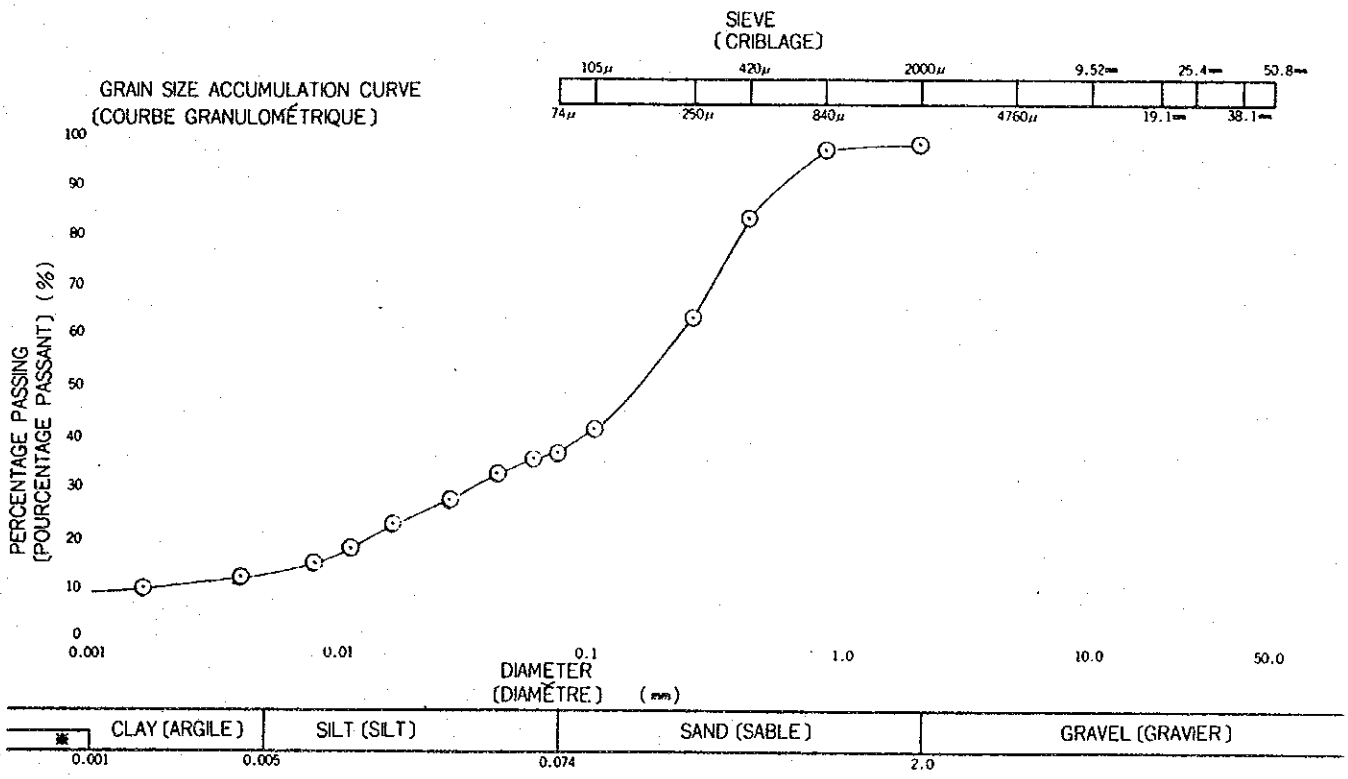
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	TP-2 (8.0 m - m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.632

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	99.1	84.5	64.5	43.3	38.4
HYDROMÉTER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0589	0.0422	0.0269	0.0157	0.0111	0.0079	0.0040	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	36.8	33.6	28.8	24.0	19.4	16.0	12.8	11.2				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
4.76~2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.21 mm
2.00~0.42mm	15 %	30% DIAMETER (DIAMÈTRE 30%)	0.031 mm
0.42~0.074mm	47 %	10% DIAMETER (DIAMÈTRE 10%)	0.001 mm
0.074~0.005mm	25 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	210
0.005mm>	13 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	4.6

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

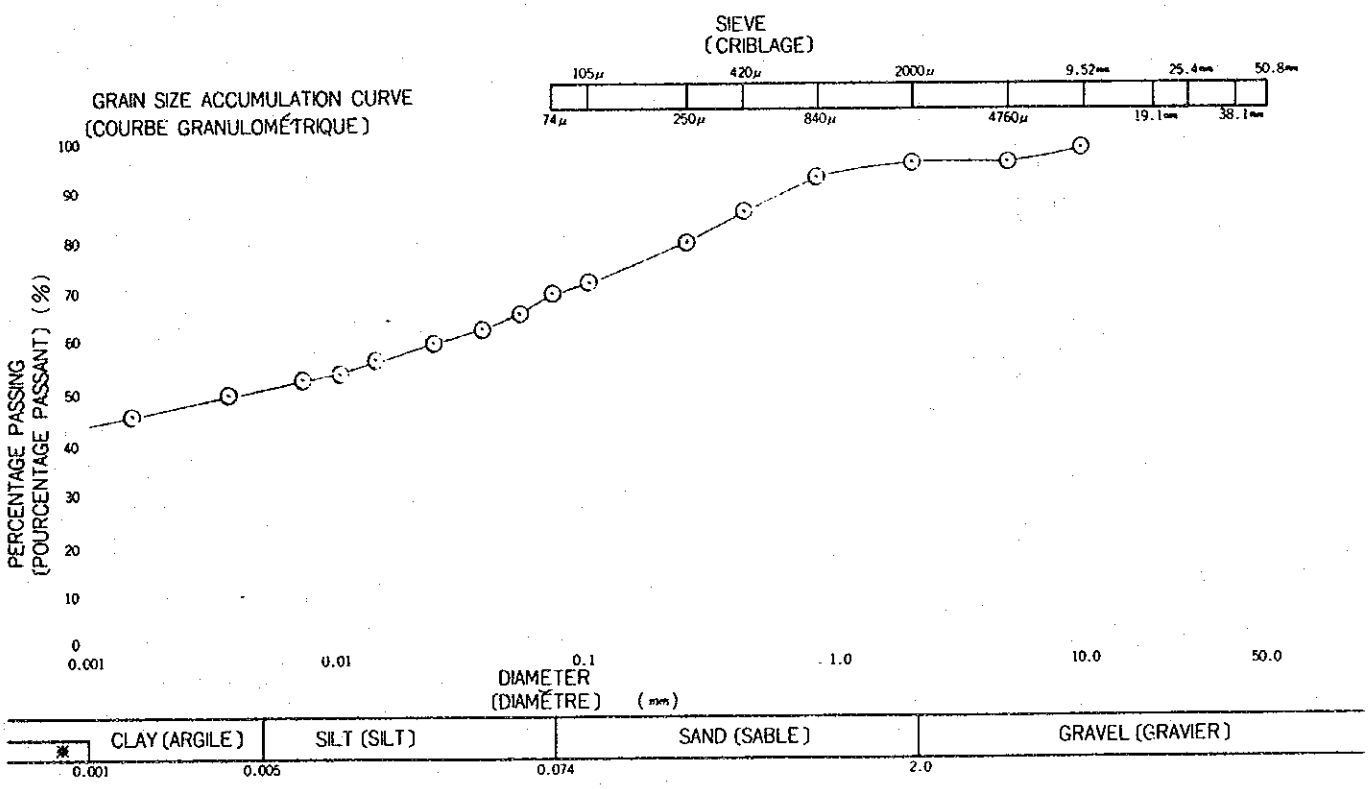
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	TP-3 (3.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.710

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING (%) (TOTAL PASSANT)					100	97.4	97.1	94.4	86.9	81.1	73.1	70.6
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE (mm) (GRANULOMÉTRIE)	0.0536	0.0382	0.0243	0.0142	0.0101	0.0072	0.0036	0.0015				
	TOTAL PASSING (%) (TOTAL PASSANT)	67.0	64.0	61.1	58.2	55.3	53.9	51.0	46.6				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm <	3 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	9.52 mm
4.76 ~ 2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.022 mm
2.00 ~ 0.42mm	10 %	30% DIAMETER (DIAMÈTRE 30%)	— mm
0.42 ~ 0.074mm	16 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074 ~ 0.005mm	19 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm >	52 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

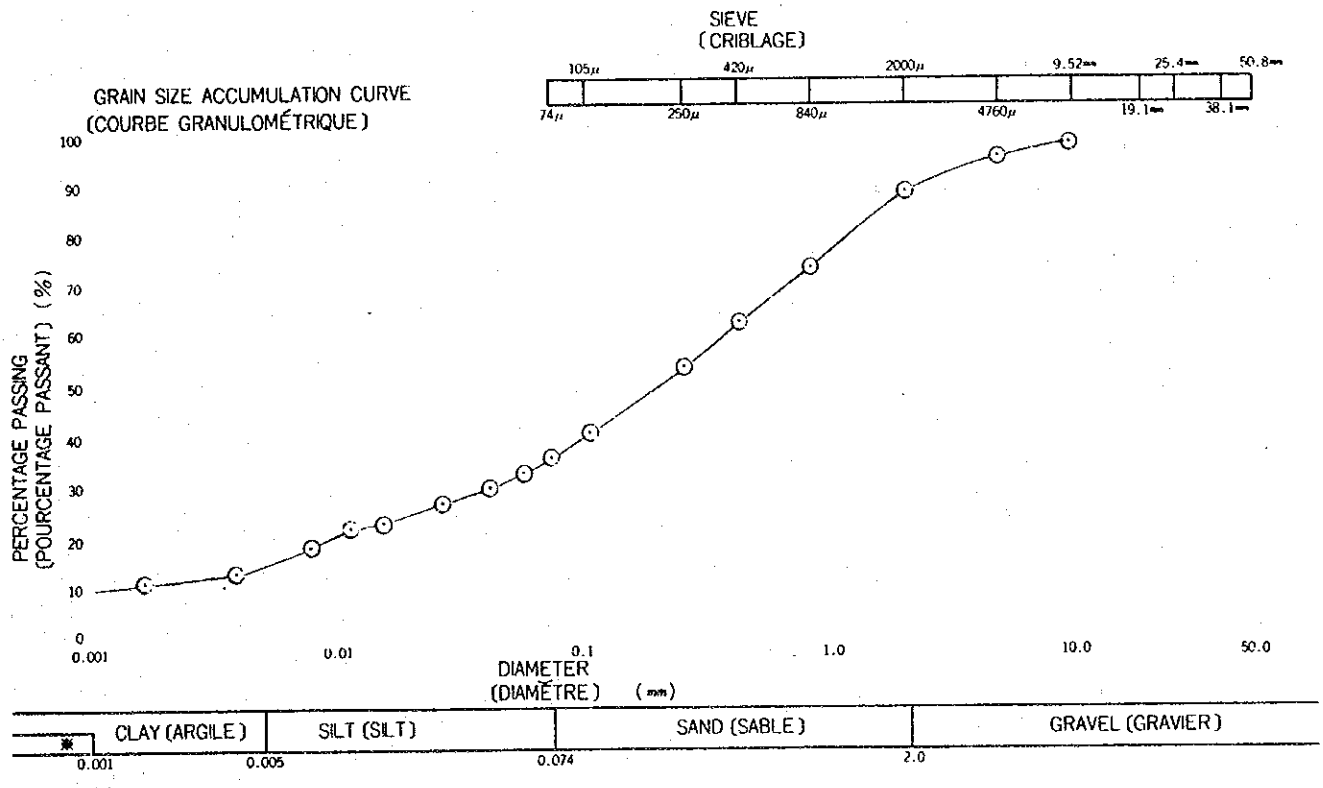
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L' ENQUÊTE ET LOCALITÉ)	MEMVE–ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-3 (7.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.797

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)					100	97.3	90.0	74.9	63.9	55.3	41.5	37.3
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0572	0.0407	0.0259	0.0151	0.0107	0.0076	0.0038	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	34.3	31.1	27.7	24.2	22.5	19.4	13.8	12.1				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)	4.76mm<	3	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	9.52 m
	4.76~2.00mm	7	%	60% DIAMETER (DIAMÈTRE 60%)	0.35 m
	2.00~0.42mm	26	%	30% DIAMETER (DIAMÈTRE 30%)	0.037 m
	0.42~0.074mm	27	%	10% DIAMETER (DIAMÈTRE 10%)	0.001 m
	0.074~0.005mm	22	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	350
	0.005mm>	15	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	3.9

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GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

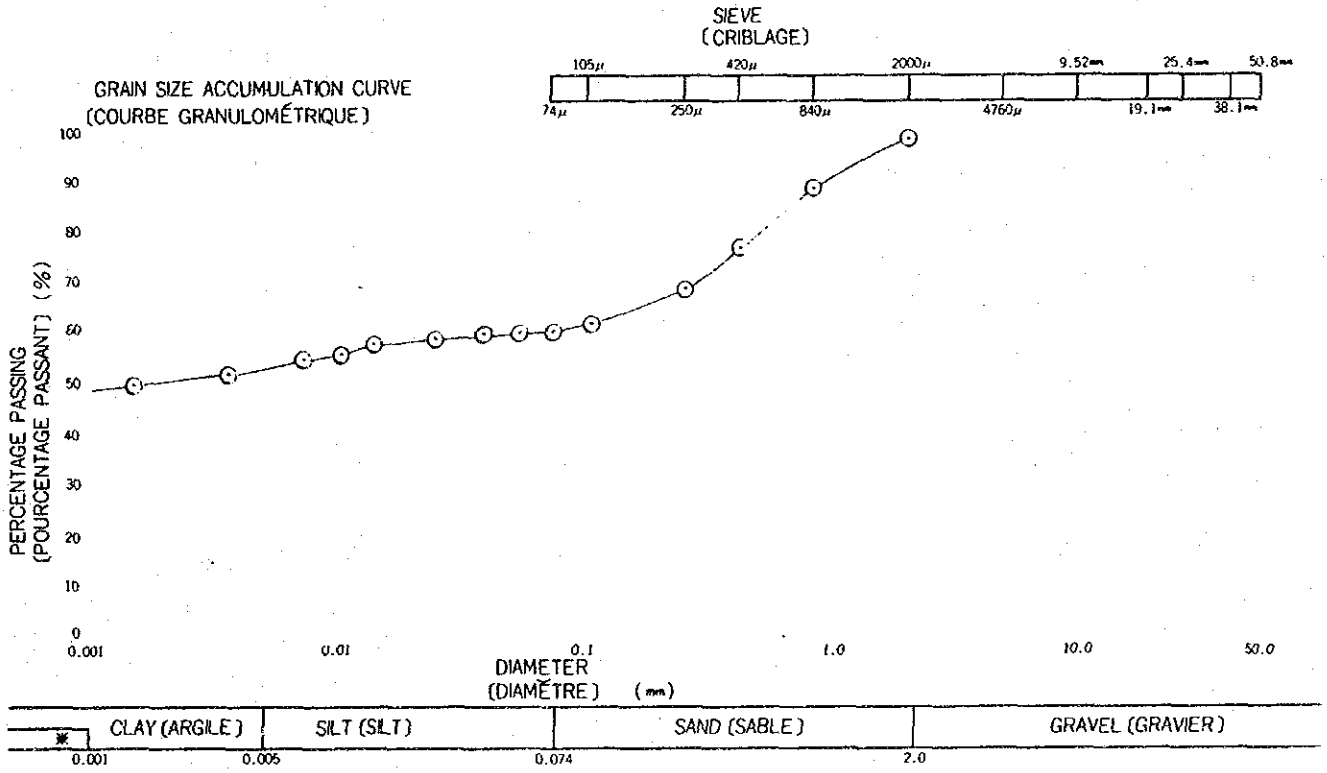
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-5 (3.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.669

	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
SIEVE (CRIBLAGE)	TOTAL PASSING(%) (TOTAL PASSANT)							100	90.1	77.5	69.9	63.0	61.4
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0544	0.0388	0.0245	0.0142	0.0101	0.0072	0.0036	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	61.0	61.0	60.2	58.6	57.1	55.6	52.6	51.1				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm <	0	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0	m
4.76~2.00mm	0	%	60% DIAMETER (DIAMÈTRE 60%)	0.025	m
2.00~0.42mm	22	%	30% DIAMETER (DIAMÈTRE 30%)	—	m
0.42~0.074mm	17	%	10% DIAMETER (DIAMÈTRE 10%)	—	m
0.074~0.005mm	7	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—	
0.005mm >	54	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—	

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GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

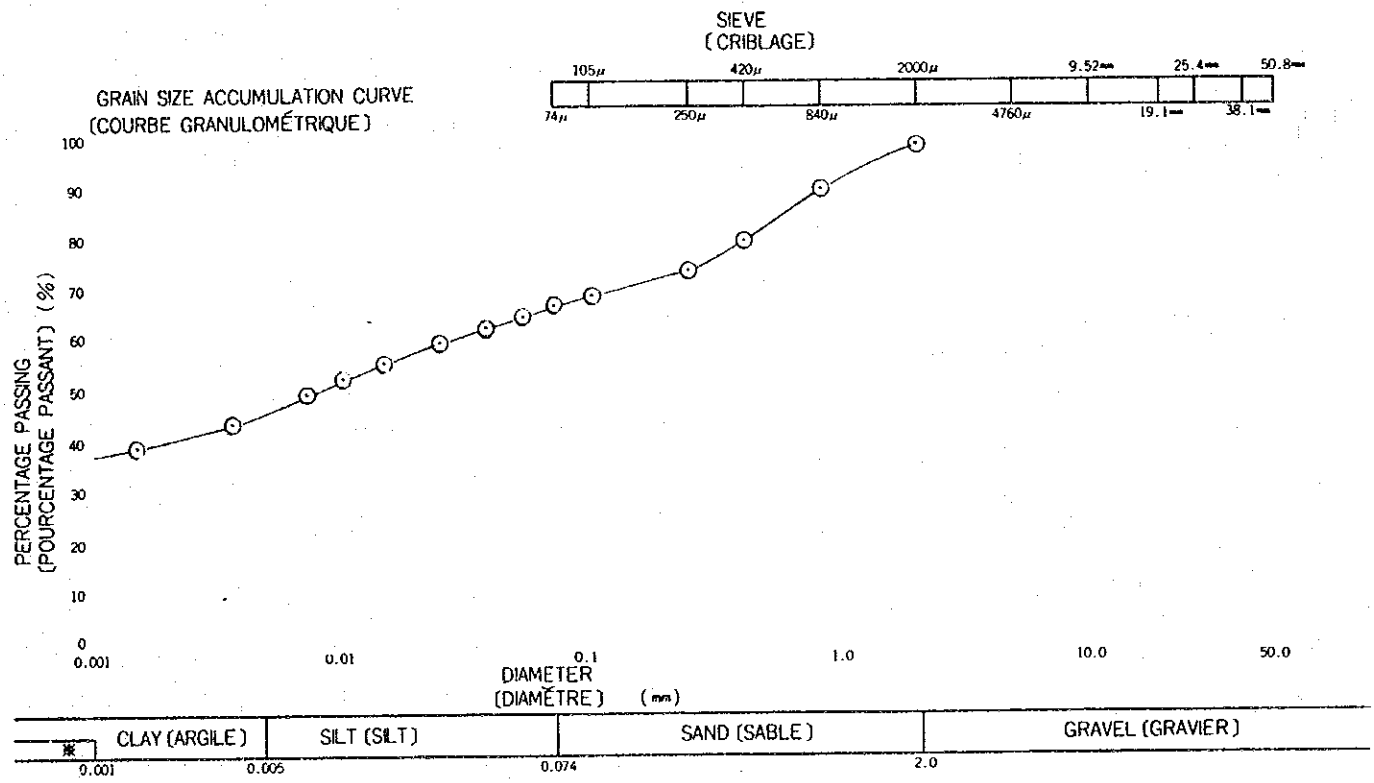
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	TP-5 (5.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.665

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	91.4	80.8	74.6	69.6	68.4
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0548	0.0390	0.0247	0.0145	0.0103	0.0073	0.0037	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	65.8	64.3	61.3	56.9	53.9	50.9	44.9	40.4				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
4.76~2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.024 mm
2.00~0.42mm	19 %	30% DIAMETER (DIAMÈTRE 30%)	— mm
0.42~0.074mm	13 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074~0.005mm	21 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm>	47 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

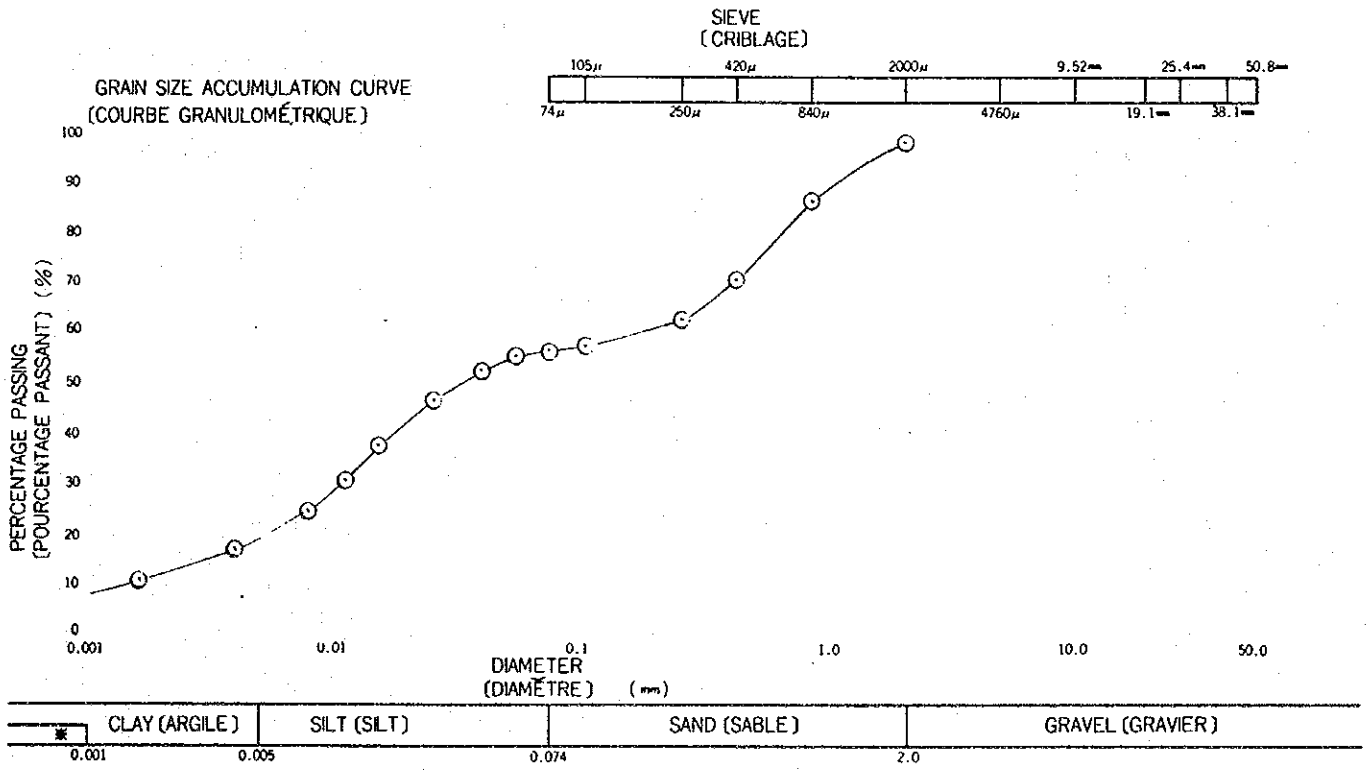
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	TP-5 (10.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.622

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	87.5	71.9	64.4	58.9	57.5
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0543	0.0390	0.0251	0.0150	0.0108	0.0078	0.0040	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	57.4	53.9	48.3	39.2	31.9	25.7	18.4	12.3				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)	4.76mm<	0	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
	4.76~2.00mm	0	%	60% DIAMETER (DIAMÈTRE 60%)	0.14 mm
	2.00~0.42mm	28	%	30% DIAMETER (DIAMÈTRE 30%)	0.01 mm
	0.42~0.074mm	14	%	10% DIAMETER (DIAMÈTRE 10%)	0.0012 mm
	0.074~0.005mm	38	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	120
	0.005mm>	20	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	0.6

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

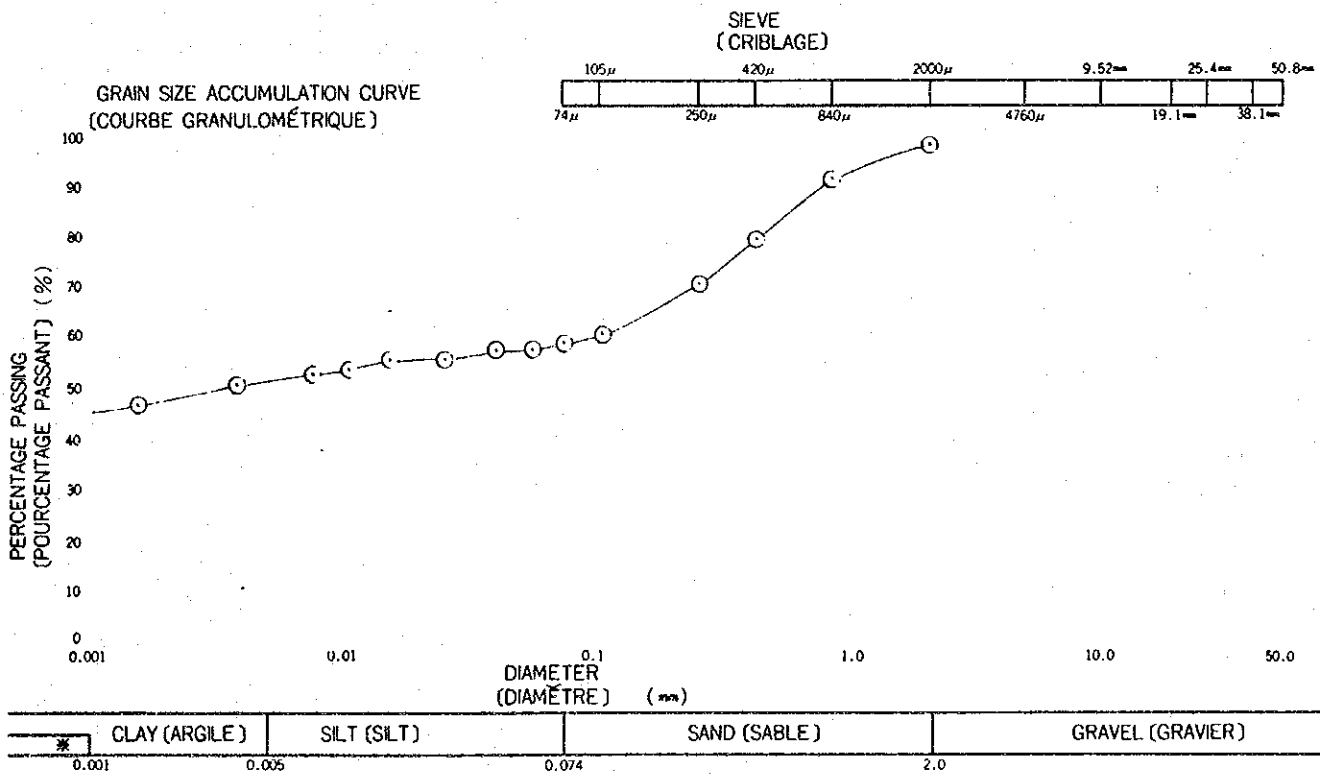
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP - 6 (3.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.687

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	92.8	81.3	71.8	61.9	58.7
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0556	0.0396	0.0251	0.0146	0.0103	0.0073	0.0037	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	58.6	58.6	56.9	56.9	55.2	53.5	51.7	48.3				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
	4.76mm<	0	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
	4.76~2.00mm	0	%	60% DIAMETER (DIAMÈTRE 60%)	0.07 mm
	2.00~0.42mm	19	%	30% DIAMETER (DIAMÈTRE 30%)	— mm
	0.42~0.074mm	21	%	10% DIAMETER (DIAMÈTRE 10%)	— mm
	0.074~0.005mm	7	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
	0.005mm>	53	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

FOR REPORTING (POUR LE RAPPORT)

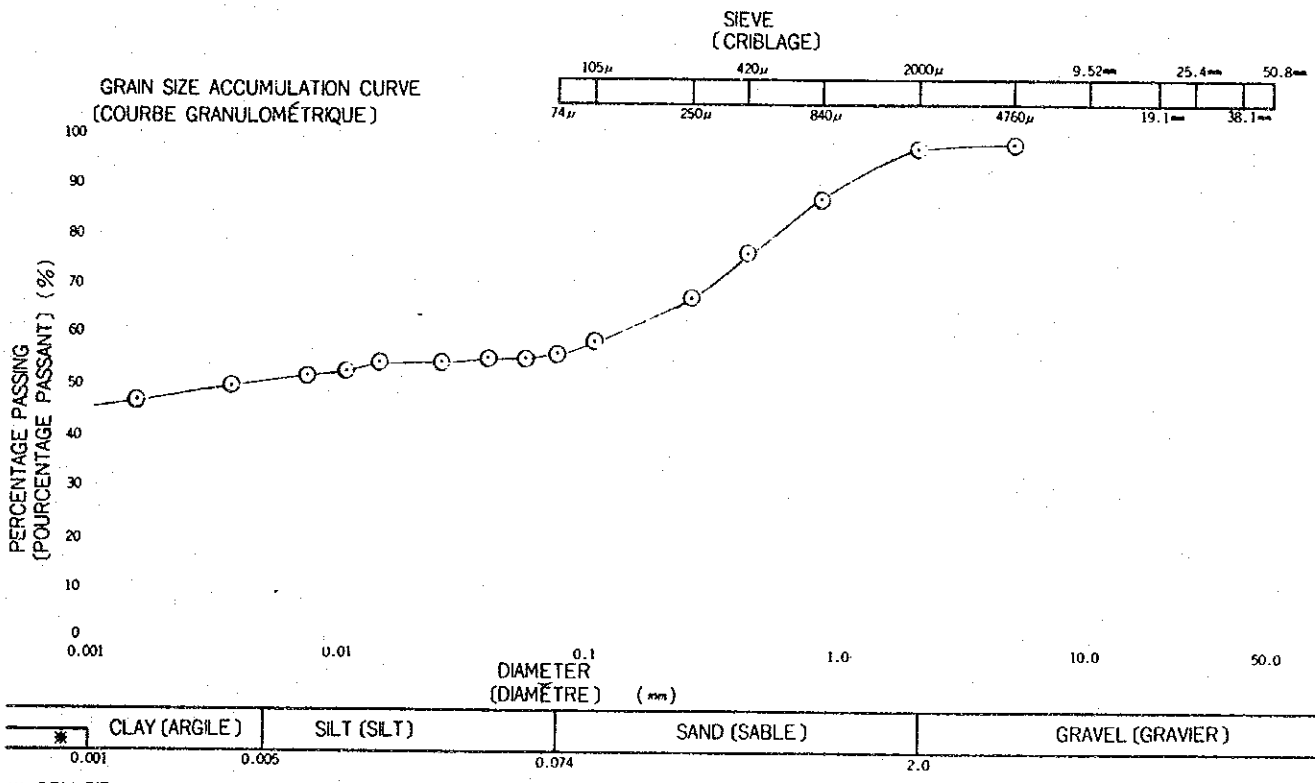
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP – 6 (5.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.691

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)						100	99.1	88.8	77.5	69.1	60.0	57.8
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0548	0.0391	0.0247	0.0144	0.0102	0.0072	0.0036	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	57.0	57.0	55.5	55.5	54.0	52.5	51.0	48.0				

GRAIN SIZE ACCUMULATION CURVE
(COURBE GRANULOMÉTRIQUE)



✱ COLLOID (COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	4.76 mm
4.76~2.00mm	1 %	60% DIAMETER (DIAMÈTRE 60%)	0.1 mm
2.00~0.42mm	21 %	30% DIAMETER (DIAMÈTRE 30%)	— mm
0.42~0.074mm	20 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074~0.005mm	6 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm>	52 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

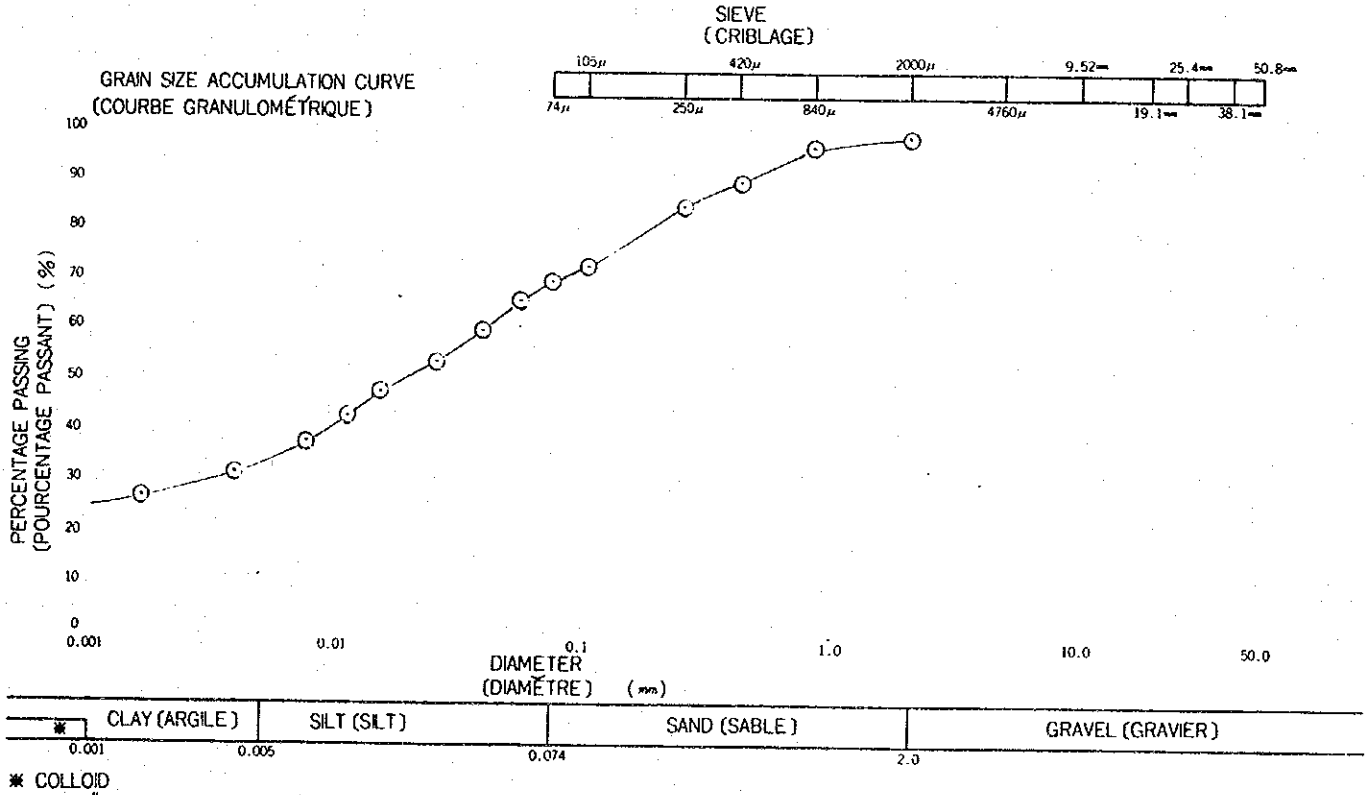
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE−ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-6 (10.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.683

	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
SIEVE (CRIBLAGE)	TOTAL PASSING(%) (TOTAL PASSANT)							100	97.8	91.4	85.7	74.4	71.4
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0552	0.0393	0.0251	0.0147	0.0105	0.0075	0.0038	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	67.2	61.0	55.4	48.9	44.0	39.1	32.6	27.7				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
4.76~2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.036 mm
2.00~0.42mm	9 %	30% DIAMETER (DIAMÈTRE 30%)	0.0025 mm
0.42~0.074mm	20 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074~0.005mm	37 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm>	34 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

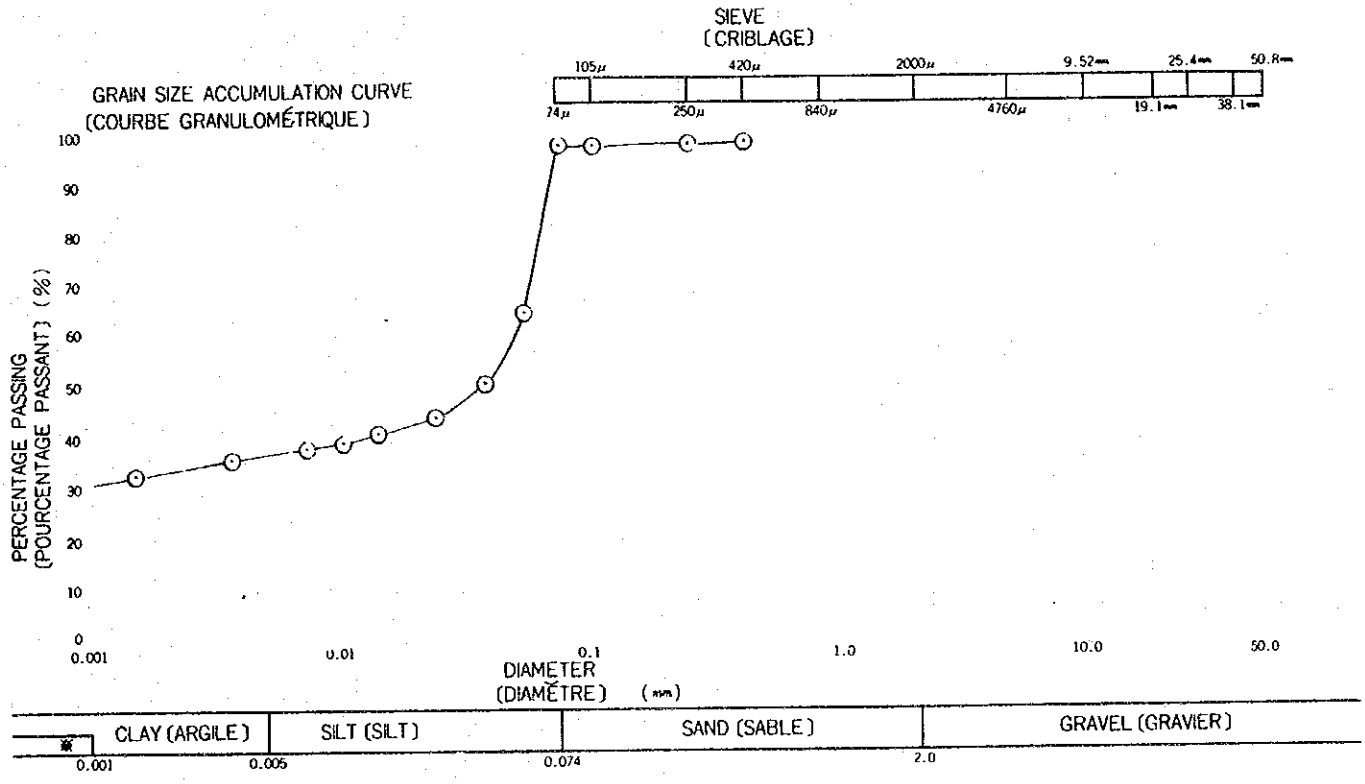
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L' ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-7 (3.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.737

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)									100	99.9	99.8	99.6
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0540	0.0382	0.0243	0.0142	0.0101	0.0072	0.0036	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	66.3	52.1	44.8	42.4	40.1	38.9	36.5	34.2				



※ COLLOID (COLLOÏDE)

PROPORTION (PROPORTION)	4.76mm<	0	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	0.42 mm
	4.76~2.00mm	0	%	60% DIAMETER (DIAMÈTRE 60%)	0.048 mm
	2.00~0.42mm	0	%	30% DIAMETER (DIAMÈTRE 30%)	— mm
	0.42~0.074mm	0	%	10% DIAMETER (DIAMÈTRE 10%)	— mm
	0.074~0.005mm	62	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
	0.005mm>	38	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

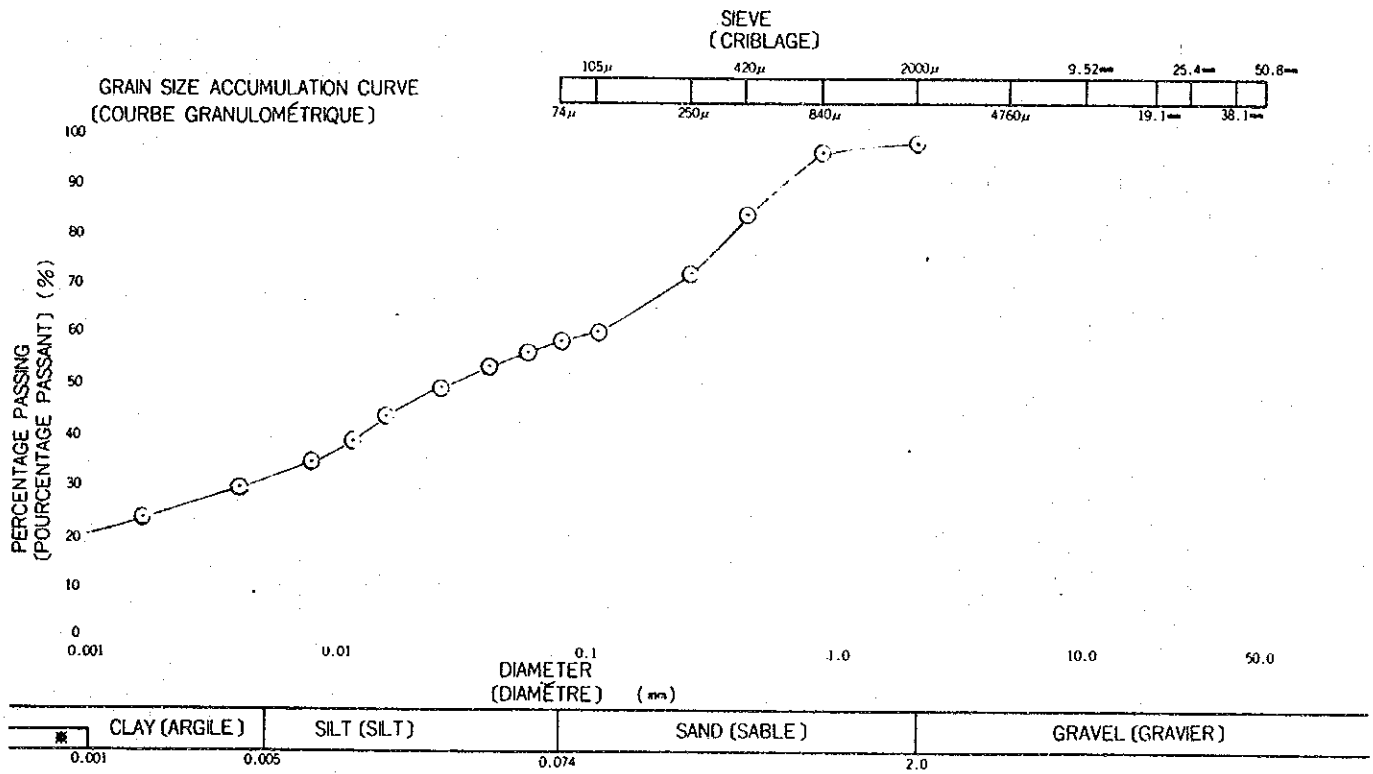
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L' ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-7 (5.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.649

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	97.6	86.2	73.7	62.4	58.8
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0552	0.0393	0.0251	0.0148	0.0106	0.0075	0.0038	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	58.3	55.4	51.0	44.6	40.4	36.3	30.7	25.1				



※ COLLOID (COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm <	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
4.76 ~ 2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.074 mm
2.00 ~ 0.42mm	14 %	30% DIAMETER (DIAMÈTRE 30%)	0.0034 mm
0.42 ~ 0.074mm	26 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074 ~ 0.005mm	27 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm >	33 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

FOR REPORTING
(POUR LE RAPPORT)

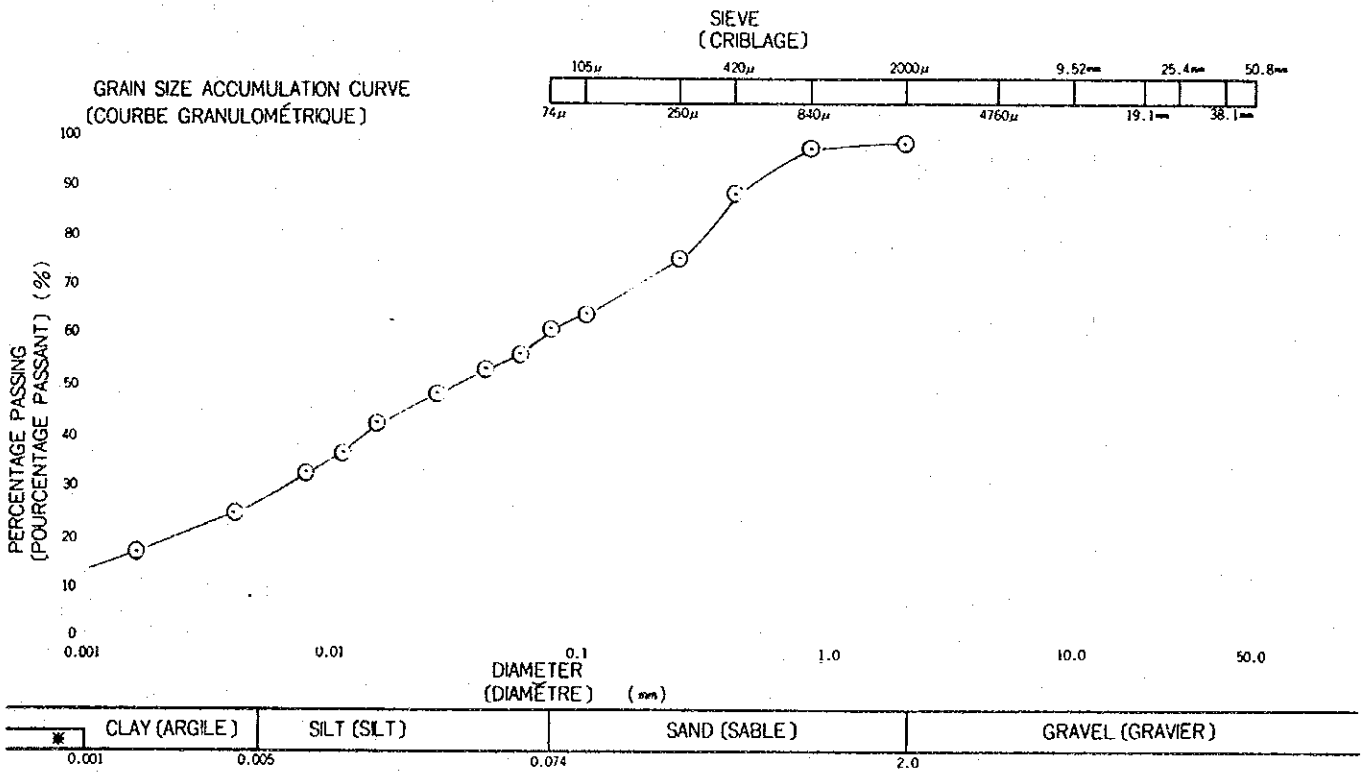
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE–ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	TP-7 (10.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.642

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	99.2	90.4	78.1	66.0	62.7
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0560	0.0399	0.0256	0.0150	0.0107	0.0077	0.0037	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	57.8	54.8	50.2	44.1	38.0	33.5	25.9	18.3				

GRAIN SIZE ACCUMULATION CURVE
(COURBE GRANULOMÉTRIQUE)



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)	4.76mm <	0	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
	4.76 ~ 2.00mm	0	%	60% DIAMETER (DIAMÈTRE 60%)	0.065 mm
	2.00 ~ 0.42mm	10	%	30% DIAMETER (DIAMÈTRE 30%)	0.0058 mm
	0.42 ~ 0.074mm	27	%	10% DIAMETER (DIAMÈTRE 10%)	— mm
	0.074 ~ 0.005mm	35	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
	0.005mm >	28	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

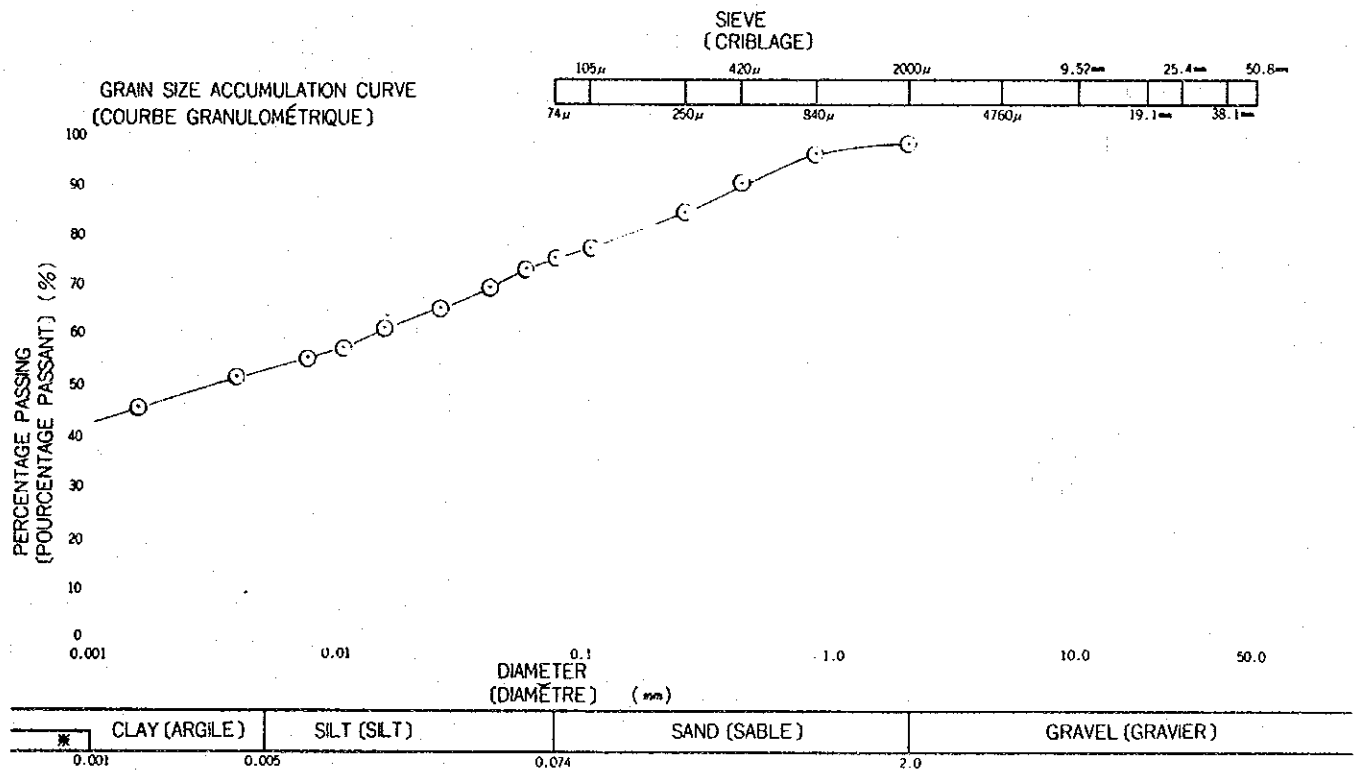
FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L' ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L ÉCHANTILLON ET PROFONDEUR)	Camp well (5.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY
(POIDS SPÉCIFIQUE) Gs 2.712

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	97.8	92.3	86.4	78.7	76.9
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0556	0.0396	0.0251	0.0146	0.0104	0.0074	0.0037	0.0015				
	TOTAL PASSING(%) (TOTAL PASSANT)	74.6	71.3	66.6	62.7	58.8	56.8	52.9	47.0				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0 mm
4.76~2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.012 mm
2.00~0.42mm	8 %	30% DIAMETER (DIAMÈTRE 30%)	— mm
0.42~0.074mm	15 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074~0.005mm	23 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm>	54 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N K FORM NO. 002 (1975)

GRADATION ANALYSIS
(ANALYSE GRANULOMÉTRIQUE)

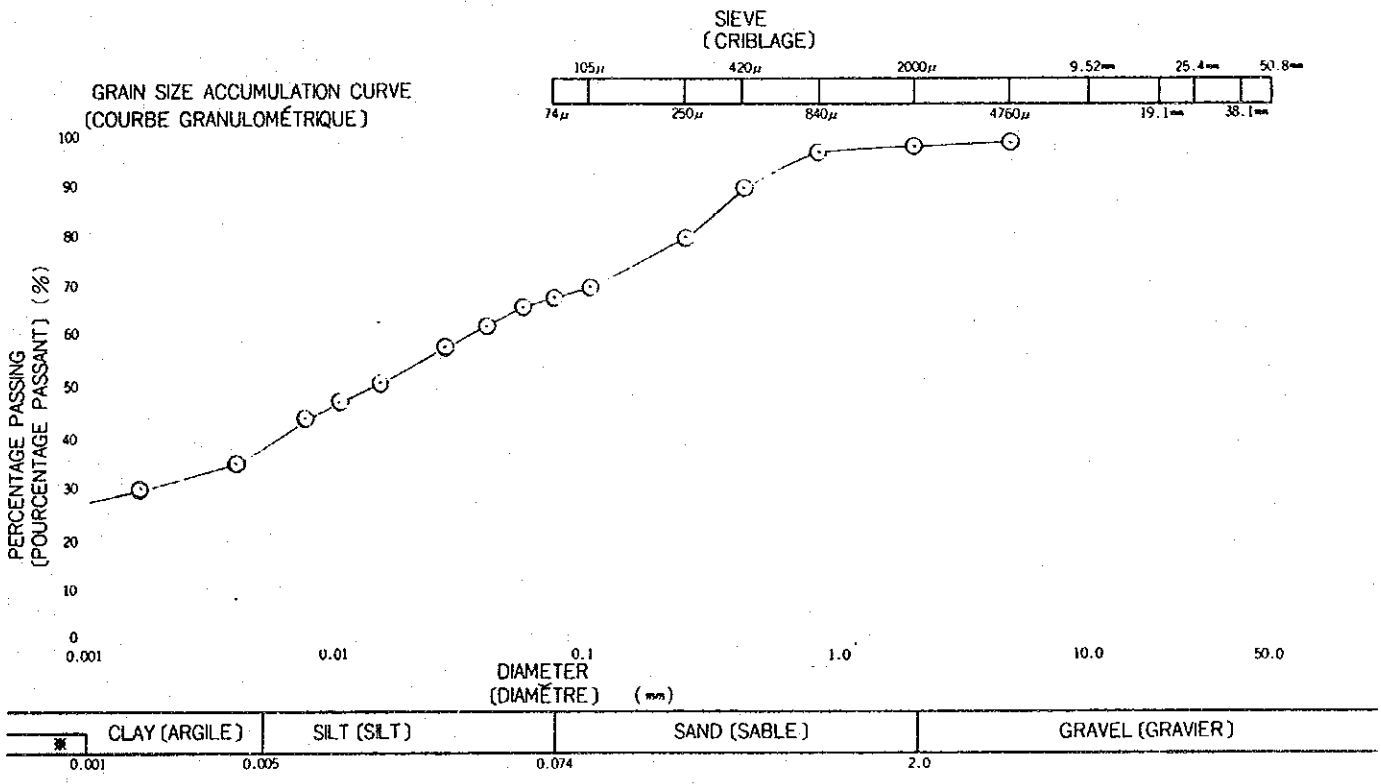
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	Camp Well (8.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.679

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)						100	99.8	98.0	90.6	81.4	71.2	68.8
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0548	0.0391	0.0249	0.0146	0.0104	0.0074	0.0038	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	67.3	63.1	59.2	52.0	48.4	44.6	36.0	30.8				



✱ COLLOID (COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0 %	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	4.76 mm
4.76~2.00mm	0 %	60% DIAMETER (DIAMÈTRE 60%)	0.03 mm
2.00~0.42mm	9 %	30% DIAMETER (DIAMÈTRE 30%)	0.0014 mm
0.42~0.074mm	22 %	10% DIAMETER (DIAMÈTRE 10%)	— mm
0.074~0.005mm	30 %	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—
0.005mm>	39 %	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—

N. K. FORM NO. 002 (1975)

GRADATION ANALYSIS (ANALYSE GRANULOMÉTRIQUE)

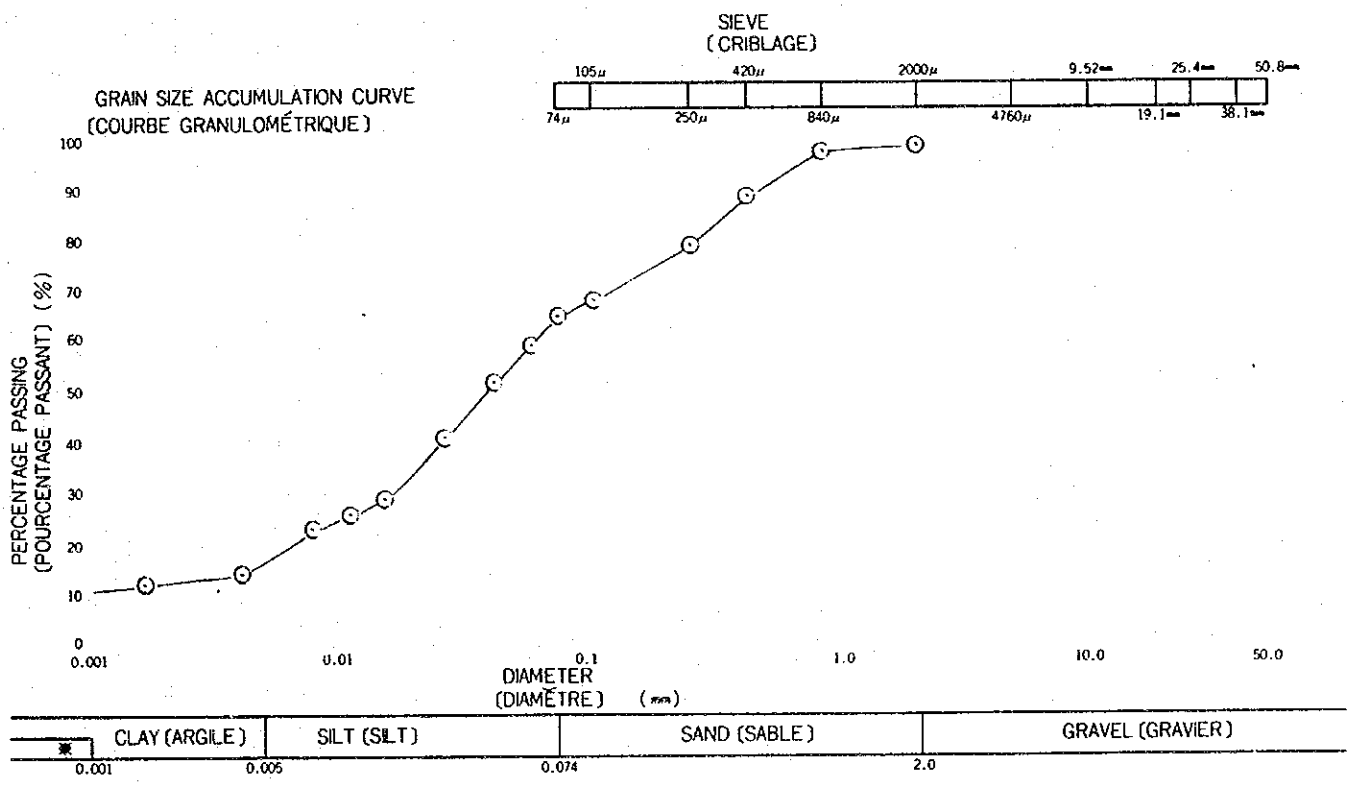
FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT	DATE (DATE)	
SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	camp well (11.0 m ~ m)	TESTED BY (ESSAI PAR)	

PARTICLE SIZE & WEIGHT PERCENTAGE OF PARTICLES UNDER THE SIZE
(DIMENSION DES PARTICULES ET POURCENTAGE DE POIDS DES PARTICULES DE DIMENSION INFÉRIEURE AUX PRÉCÉDENTES)

SPECIFIC GRAVITY (POIDS SPÉCIFIQUE) Gs 2.642

SIEVE (CRIBLAGE)	GRAIN SIZE (mm) (GRANUROMÉTRIE)	50.8	38.1	25.4	19.1	9.52	4.76	2.00	0.84	0.42	0.25	0.105	0.074
	TOTAL PASSING(%) (TOTAL PASSANT)							100	92.0	89.6	78.9	68.9	66.2
HYDROMETER (ARÉOMÉTRIE)	GRAIN SIZE(mm) (GRANULOMÉTRIE)	0.0581	0.0413	0.0263	0.0154	0.0110	0.0078	0.0040	0.0016				
	TOTAL PASSING(%) (TOTAL PASSANT)	59.8	52.8	41.8	29.9	26.9	23.9	14.9	13.4				



✱ COLLOID
(COLLOÏDE)

PROPORTION (PROPORTION)					
4.76mm<	0	%	MAXMUM DIAMETER (DIAMÈTRE MAXIMUM)	2.0	mm
4.76~2.00mm	0	%	60% DIAMETER (DIAMÈTRE 60%)	0.058	mm
2.00~0.42mm	10	%	30% DIAMETER (DIAMÈTRE 30%)	0.015	mm
0.42~0.074mm	24	%	10% DIAMETER (DIAMÈTRE 10%)	—	mm
0.074~0.005mm	49	%	COEFFICIENT OF UNIFORMITY (COEFFICIENT D'UNIFORMITÉ)	—	
0.005mm>	17	%	COEFFICIENT OF CURVATURE (COEFFICIENT DE COURBURE)	—	

N. K. FORM NO. 002 (1975)

LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING (POUR LE RAPPORT)

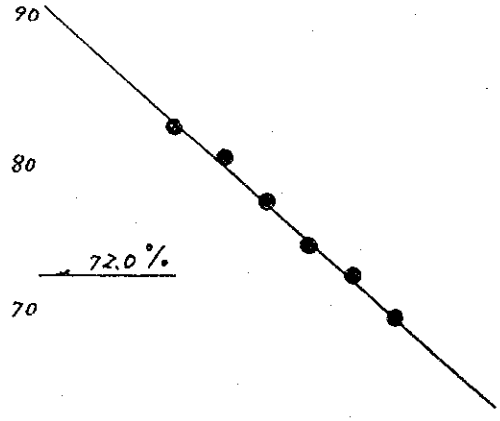
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR) No. TP-1 1.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	31	69.3 %	1	27.1 %
2	25	71.8 %	2	26.1 %
3	20	74.2 %	3	26.8 %
4	16	77.6 %		
5	13	80.0 %		
6	10	81.8 %	MEAN VALUE (VALEUR MOYENNE)	26.7

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 72.0 %	w_P 26.7 %	I_P 45.3

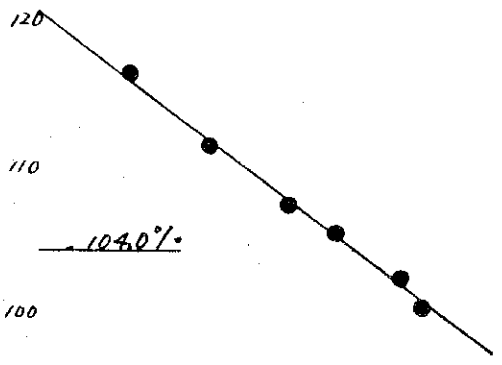


WATER CONTENT (%) (TENEUR EN EAU)

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR) No. TP-1 3.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	36	100.0 %	1	37.0 %
2	32	101.5 %	2	36.8 %
3	23	105.3 %	3	37.6 %
4	18	107.2 %		
5	12	111.2 %		
6	8	116.4 %	MEAN VALUE (VALEUR MOYENNE)	37.1

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 104.0 %	w_P 37.1 %	I_P 66.9



5 6 7 8 9 10 15 20 25 30 40 50

NUMBER OF BLOWS (NOMBRE DE COUP)

LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ): MEMVE – ELE PROJECT

DATE (DATE):

TESTED BY (ESSAI PAR):

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR): No. TP-2 (4.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	32	95.0 %	1	35.7 %
2	25	98.0 %	2	36.2 %
3	20	101.7 %	3	36.2 %
4	17	104.3 %		
5	13	108.1 %		
6	10	112.4 %	MEAN VALUE (VALEUR MOYENNE)	36.0

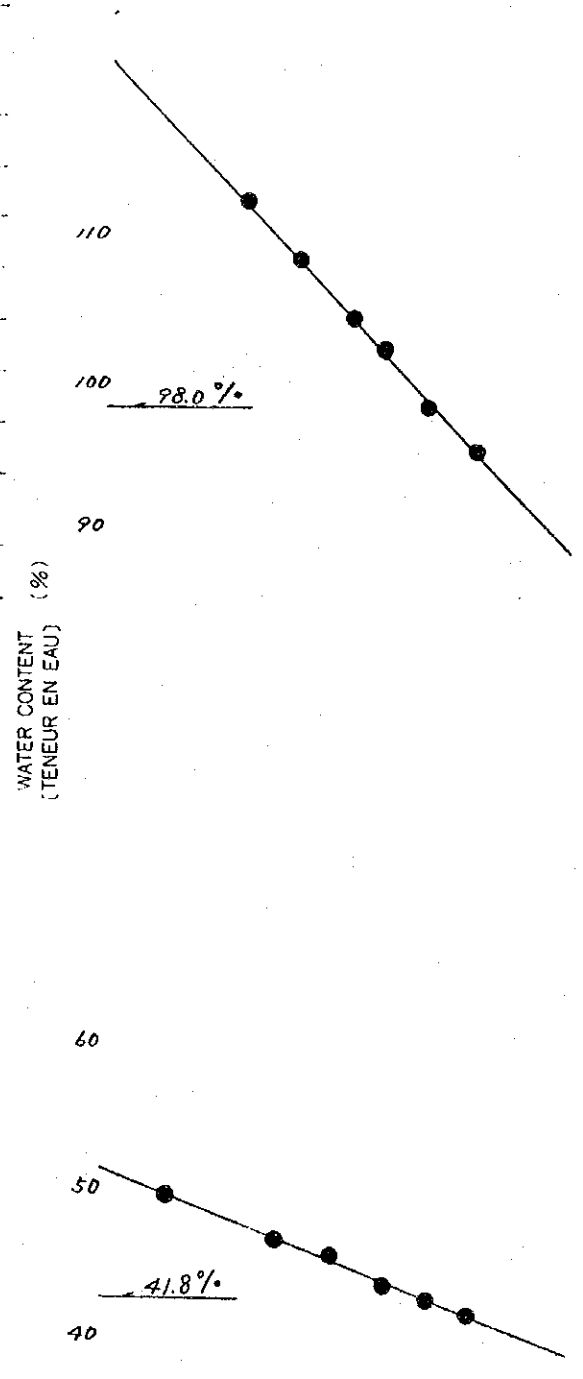
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 98.0 %	w_p 36.0 %	I_p 62.0

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR): No. TP-2 (8.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	32	40.9 %	1	23.4 %
2	26	42.0 %	2	23.5 %
3	20	43.2 %	3	23.3 %
4	16	45.0 %		
5	12	46.4 %		
6	7	49.1 %	MEAN VALUE (VALEUR MOYENNE)	23.4

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 41.8 %	w_p 23.4 %	I_p 18.4

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



N.K. FORM NO. 903 (1976)

LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-3 (3.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	34	90.7 %	1	33.2 %
2	29	92.8 %	2	32.7 %
3	25	95.9 %	3	33.7 %
4	20	98.7 %		
5	16	102.1 %		
6	10	108.7 %	MEAN VALUE (VALEUR MOYENNE)	33.2

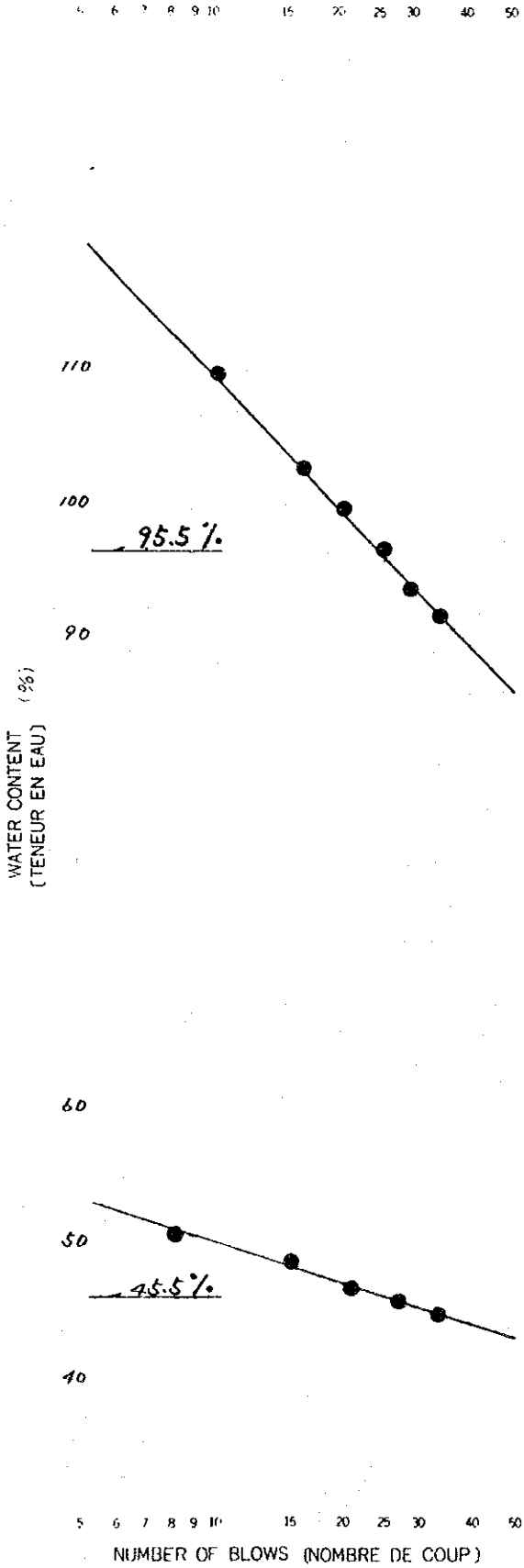
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 95.5 %	w_P 33.2 %	I_P 62.3

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-3 (7.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	34	44.0 %	1	30.5 %
2	27	45.1 %	2	30.6 %
3	21	46.1 %	3	30.8 %
4	15	47.6 %		
5	8	49.9 %		
6		%	MEAN VALUE (VALEUR MOYENNE)	30.6

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 45.5 %	w_P 30.6 %	I_P 14.9

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING (POUR LE RAPPORT)

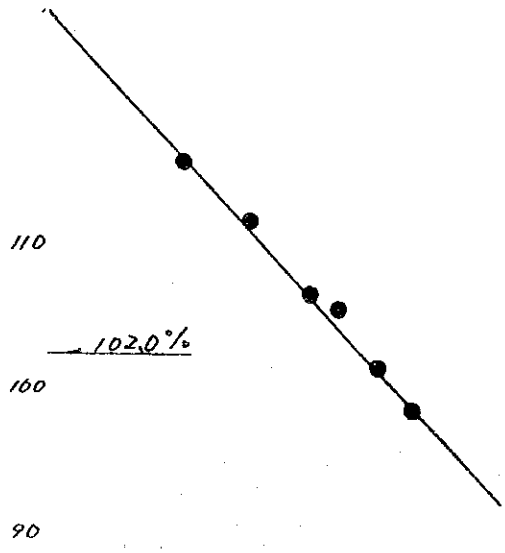
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR): No. TP-5 (3.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	32	98.4 %	1	30.9 %
2	27	101.2 %	2	30.3 %
3	22	104.7 %	3	30.3 %
4	19	105.9 %		
5	14	111.3 %		
6	10	114.7 %	MEAN VALUE (VALEUR MOYENNE)	30.5

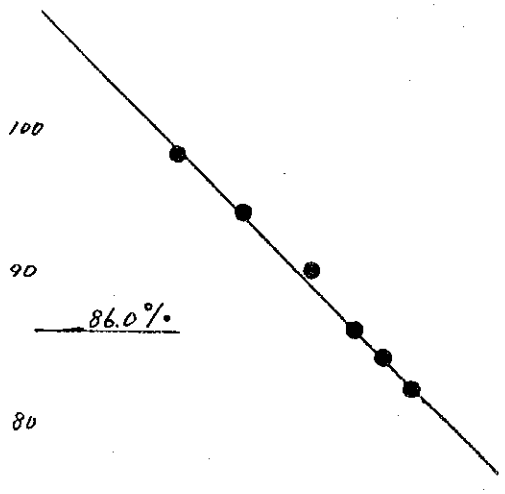
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 102.0 %	w_P 30.5 %	I_P 71.5



SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR): No. TP-5 (5.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	33	82.2 %	1	31.3 %
2	29	83.7 %	2	31.3 %
3	25	86.4 %	3	31.3 %
4	20	89.6 %		
5	14	94.3 %		
6	10	98.3 %	MEAN VALUE (VALEUR MOYENNE)	31.3

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 86.0 %	w_P 31.3 %	I_P 54.7



WATER CONTENT (%) (TENEUR EN EAU)

5 6 7 8 9 10 15 20 25 30 40 50

NUMBER OF BLOWS (NOMBRE DE COUP)

LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-5 (10.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	36	47.7 %	1	28.1 %
2	29	49.0 %	2	29.4 %
3	20	52.9 %	3	29.8 %
4	16	54.2 %		
5	13	56.1 %		
6	9	59.2 %	MEAN VALUE (VALEUR MOYENNE)	29.1

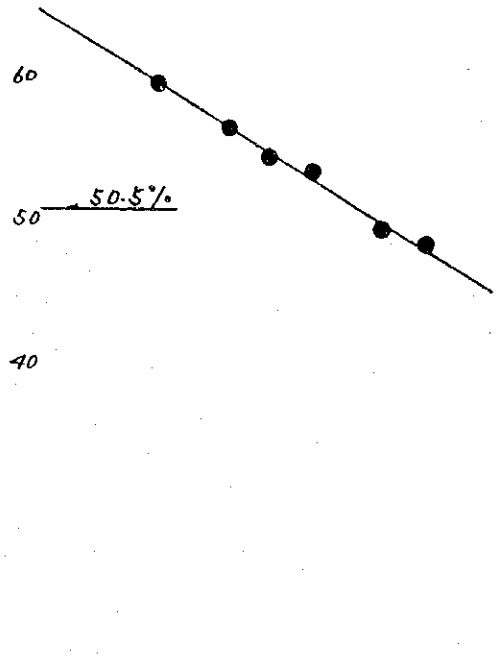
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 50.5 %	w_P 29.1 %	I_P 21.4

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. (m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1		%	1	%
2		%	2	%
3		%	3	%
4		%		
5		%		
6		%	MEAN VALUE (VALEUR MOYENNE)	

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L %	w_P %	I_P

FLOW CURVE.
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING
(POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE–ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-6 (3.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	36	86.7 %	1	29.4 %
2	27	88.7 %	2	28.2 %
3	22	90.7 %	3	29.9 %
4	18	93.3 %		
5	14	95.0 %		
6	10	99.0 %	MEAN VALUE (VALEUR MOYENNE)	29.2

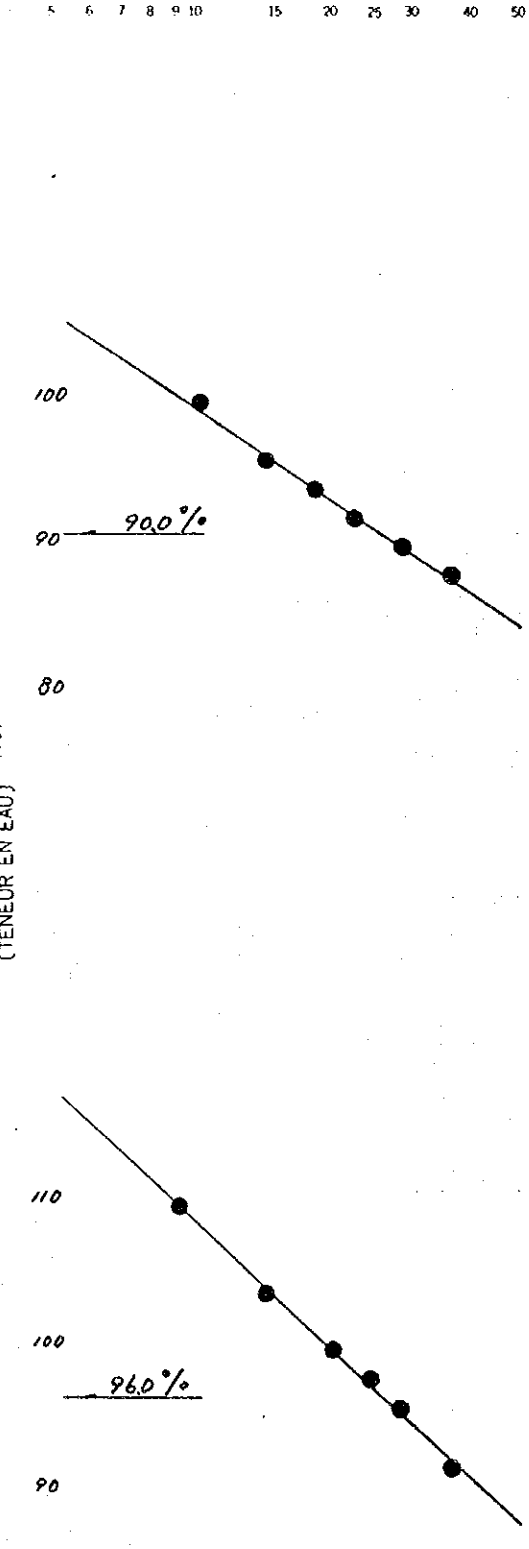
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 90.0 %	w_p 29.2 %	I_p 60.8

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-6 (5.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	36	91.1 %	1	32.9 %
2	28	94.5 %	2	32.8 %
3	24	97.1 %	3	32.5 %
4	20	98.5 %		
5	14	102.9 %		
6	9	108.8 %	MEAN VALUE (VALEUR MOYENNE)	32.7

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 96.0 %	w_p 32.7 %	I_p 63.3

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING
(POUR LE RAPPORT)

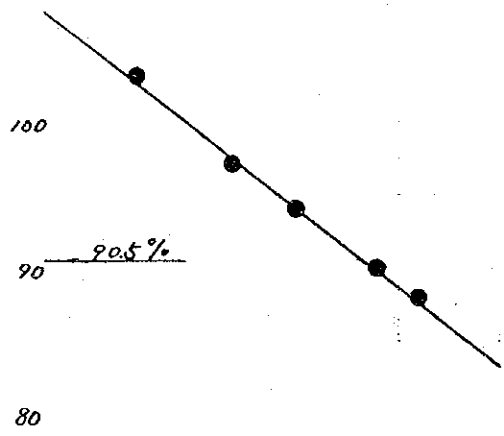
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-6 (10.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	33	88.1 %	1	39.7 %
2	27	90.0 %	2	39.6 %
3	18	93.7 %	3	39.4 %
4	13	97.2 %		
5	8	102.5 %		
6		%	MEAN VALUE (VALEUR MOYENNE)	39.6

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 90.5 %	w_p 39.6 %	I_p 50.9

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. (m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1		%	1	%
2		%	2	%
3		%	3	%
4		%		
5		%		
6		%	MEAN VALUE (VALEUR MOYENNE)	

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L %	w_p %	I_p

LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE—ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR) No. TP-7 (3.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	40	83.2 %	1	31.0 %
2	31	85.7 %	2	30.0 %
3	25	89.6 %	3	31.0 %
4	22	91.3 %		
5	16	94.7 %		
6	12	98.6 %	MEAN VALUE (VALEUR MOYENNE)	30.7

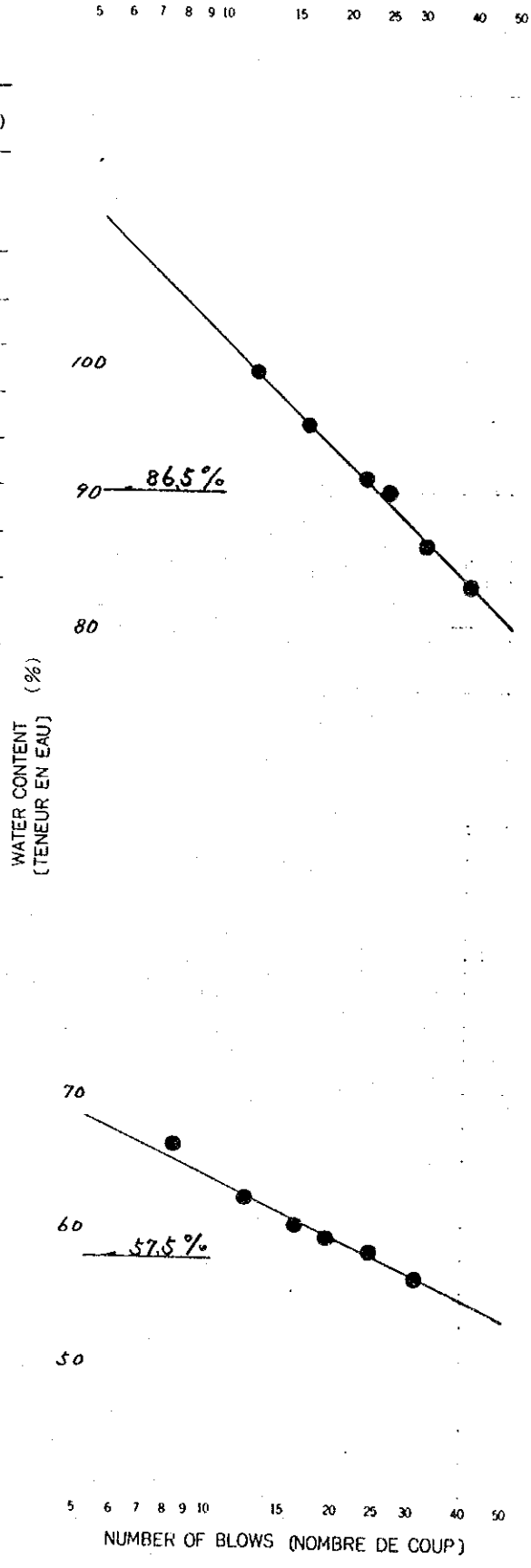
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 86.5 %	w_P 30.7 %	I_P 55.8

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR) No. TP-7 (5.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	31	56.1 %	1	28.5 %
2	24	57.5 %	2	28.8 %
3	19	59.2 %	3	28.9 %
4	16	60.2 %		
5	12	62.3 %		
6	8	66.4 %	MEAN VALUE (VALEUR MOYENNE)	28.7

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 57.5 %	w_P 28.7 %	I_P 28.8

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING
(POUR LE RAPPORT)

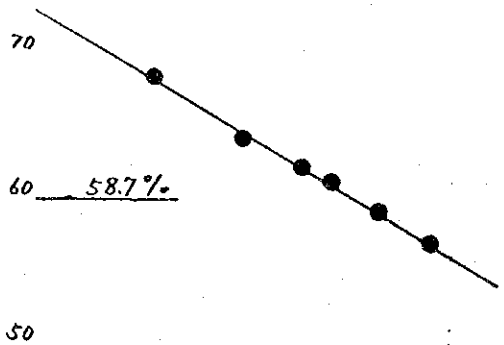
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. TP-7 (10.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	36	56.1 %	1	33.3 %
2	28	58.2 %	2	32.8 %
3	22	60.0 %	3	33.2 %
4	19	61.1 %		
5	14	63.4 %		
6	9	67.4 %	MEAN VALUE (VALEUR MOYENNE)	33.1

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 58.7 %	w_P 33.1 %	I_P 25.6

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. (m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO. (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1		%	1	%
2		%	2	%
3		%	3	%
4		%		
5		%		
6		%	MEAN VALUE (VALEUR MOYENNE)	

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L %	w_P %	I_P

N.K. FORM NO. 003 (1975)

LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING (POUR LE RAPPORT)

NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE-ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR): No. WELL (5.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	32	95.0 %	1	33.8 %
2	26	97.5 %	2	34.6 %
3	21	101.1 %	3	34.3 %
4	17	106.1 %		
5	12	111.6 %		
6	9	119.5 %	MEAN VALUE (VALEUR MOYENNE)	34.2

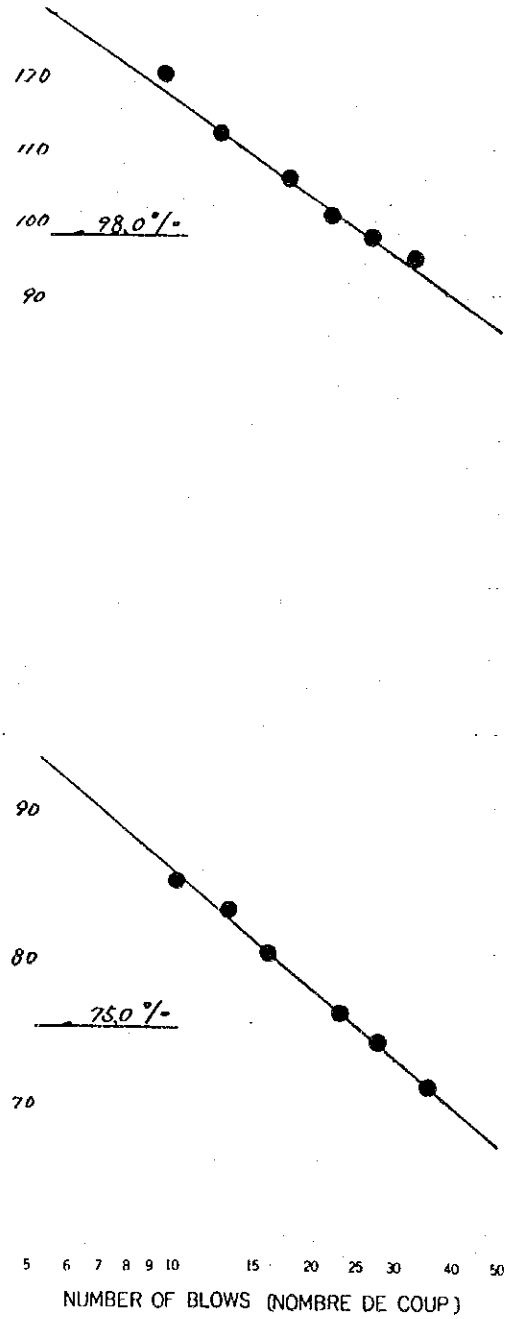
LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 98.0 %	w_p 34.2 %	I_p 63.8

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR): No. WELL (8.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	36	70.8 %	1	32.8 %
2	28	74.1 %	2	32.7 %
3	23	76.4 %	3	32.6 %
4	16	79.5 %		
5	13	82.8 %		
6	10	84.6 %	MEAN VALUE (VALEUR MOYENNE)	32.7

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 75.0 %	w_p 32.7 %	I_p 42.3

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



LIQUID LIMIT & PLASTIC LIMIT TEST
(ESSAI DE LIMITE DE LIQUIDITÉ ET DE LIMITE DE PLASTICITÉ)

FOR REPORTING (POUR LE RAPPORT)

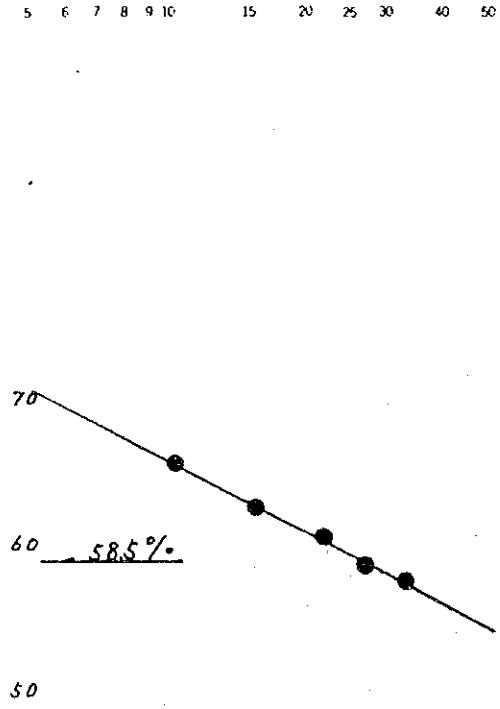
NAME OF SURVEY & LOCALITY (DÉNOMINATION DE L'ENQUÊTE ET LOCALITÉ)	MEMVE – ELE PROJECT		
DATE (DATE)		TESTED BY (ESSAI PAR)	

SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. WELL (11.0 m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1	32	57.0 %	1	33.3 %
2	26	58.4 %	2	33.7 %
3	21	59.8 %	3	33.4 %
4	15	61.6 %		
5	10	65.3 %		
6		%	MEAN VALUE (VALEUR MOYENNE)	33.5

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L 58.5 %	w_p 33.5 %	I_p 25.0

FLOW CURVE
(COURBE DE DÉTERMINATION DE LA LIMITE DE LIQUIDITÉ)



SAMPLE NO. & DEPTH (N° DE L'ÉCHANTILLON ET PROFONDEUR)	No. (m ~ m)

LIQUID LIMIT TEST (LIMITE DE LIQUIDITÉ)			PLASTIC LIMIT TEST (LIMITE DE PLASTICITÉ)	
TEST. NO. (N° DE L'ESSAI)	NO. OF BLOWS (NOMBRE DE COUP)	WATER CONTENT (TENEUR EN EAU)	TEST. NO (N° DE L'ESSAI)	WATER CONTENT (TENEUR EN EAU)
1		%	1	%
2		%	2	%
3		%	3	%
4		%		
5		%		
6		%	MEAN VALUE (VALEUR MOYENNE)	

LIQUID LIMIT (LIMITE DE LIQUIDITÉ)	PLASTIC LIMIT (LIMITE DE PLASTICITÉ)	PLASTICITY INDEX (INDICE DE PLASTICITÉ)
w_L %	w_p %	I_p

N. K FORM NO. 003 (1975)

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