



ULTRALAB

REG.NO. CK91/11269/23

SIWIELE INGENIEURSDIENSTE - CIVIL ENGINEERING SERVICES C.C

170 SIDWELL AVENUE - SIDWELL
P.O. BOX 10200 LITCHEN ORANGE 6015

Tel: 041 - 4512464
Fax: 041 - 4534959

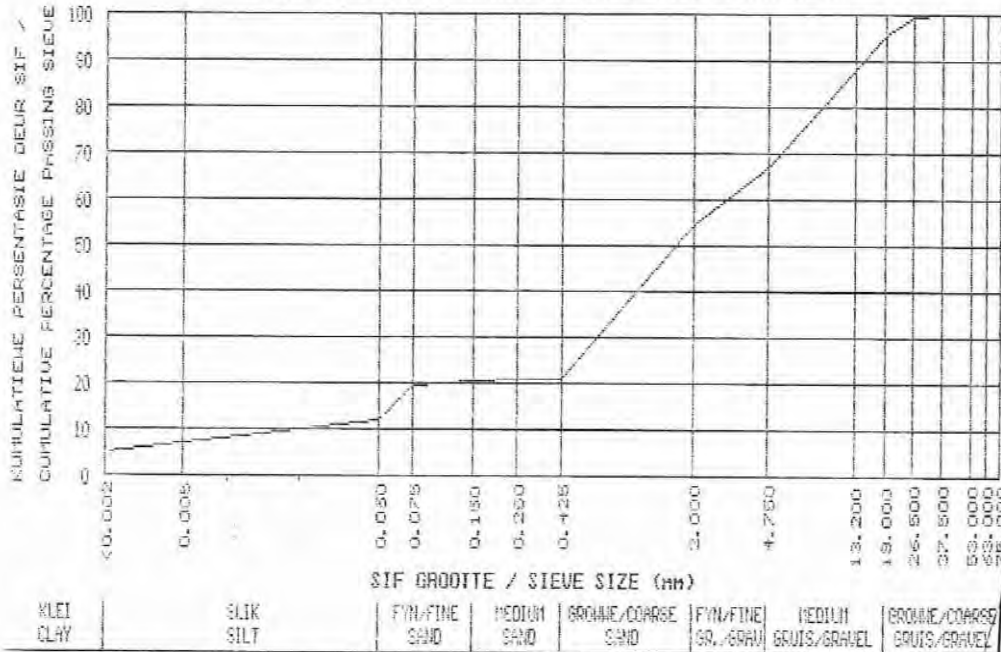
KLIENT/CLIENT : BOPITE ENGINEERING GEOLOGISTS
 PROEKT/PROJECT : PINEDALE
 AANDAG/ATTENTION : GAVIN
 MONSTER/SAMPLE NO: PD 5A CAT/FILE NO:
 MATERIAL BESKRYWING/MATERIAL DESCRIPTION : SILTY SAND

U VERN/VOUR REF :
 GNS VERN/VOUR REF : CD 69 / 12
 DATUM/DATE : 26/09/2008
 DIEPTE/DEPTH (mm):

FONDAMENTAANDUIDINGSTOETS FOUNDATION INDICATOR [TMH1 : A1 - A6]

VOEDIGHEID/LIQUID LIMIT (%) : 47	VOCHHOU/MOISTURE CONTENT (%) : -
PLASTISITEITSINDEKS/PLASTICITY INDEX : 23	GENINGS KLASSIFIKASIE/CLASSIFICATION : SILTY SAND
LIENRE KROMPING/LINEAR SHRINKAGE (%) : 11.0	P.R.A. KLASSIFIKASIE/CLASSIFICATION : A-2-7(1)
PERSENTASIE/PERCENTAGE (< 0.002) : 5	GEHEENSKAPLIKE GROND KLAS./UNIFIED SOIL CLAS.: SC
PI VAN HELE MONSTER/PI OF WHOLE SAMPLE: 5	AKTIVITEIT/ACTIVITY : 1.0
GRAD. MODULUS : 2.05	UITSETTINGSKLASSIFIKASIE/HEAVE CLASSIFICATION: LOW

PARTIKELGROOTTEVERDELING / PARTICLE SIZE DISTRIBUTION



OPMERKINGS/REMARKS : SAMPLED BY CLIENT

VORM/FORN: A6

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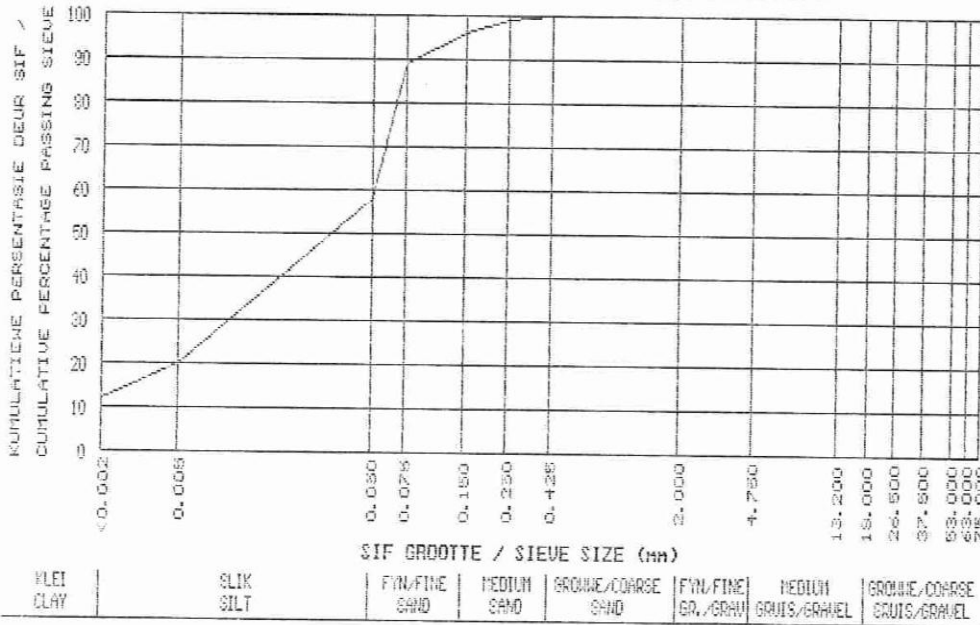
KLIENT/CLIENT : BOPIE ENGINEERING GEOLOGISTS
 PROJEK/PROJECT : PINEDALE
 AANDAG/ATTENTION : GAVIN
 MONSTER/SAMPLE NO: FD 6A
 MATERIAL BESKRYWING/MATERIAL DESCRIPTION : SANDY SILT

U VERM/YOUR REF :
 ONS VERM/OUR REF : CD 69 / 12
 DATUM/DATE : 26/07/2008
 DIEPTE/DEPTH (mm):

FONDAMENTAANDUIDINGSTOETS FOUNDATION INDICATOR [TMH1 : A1 - A6]

VLOEIGHEID/LIQUID LIMIT (Z) : 29	VEGINHOUD/MOISTURE CONTENT (%) : -
PLASTISITEITSINDEKS/PLASTICITY INDEX : 14	JENNINGS KLASSE/CLASSIFICATION : SANDY SILT
LINIÛRE KRIMPING/LINEAR SHRINKAGE (%) : 6.5	P.R.A. KLASSE/CLASSIFICATION : A-6(10)
PERSENTASIE/PERCENTAGE (< 0.002) : 12	GENEENSKAPLIKE GROND KLAS./UNIFIED SOIL CLAS.: CL
PI VAN HELE MONSTER/PI OF WHOLE SAMPLE: 14	AKTIVITEIT/ACTIVITY : 1.2
GRAD. MODULUS : 0.11	UITSETTINGSKLASSE/HEAVE CLASSIFICATION: LOW

PARTIKELGROOTTEVERDELING / PARTICLE SIZE DISTRIBUTION



OPMERKINGS/REMARKS : SAMPLED BY CLIENT

VORM/FORM: A6

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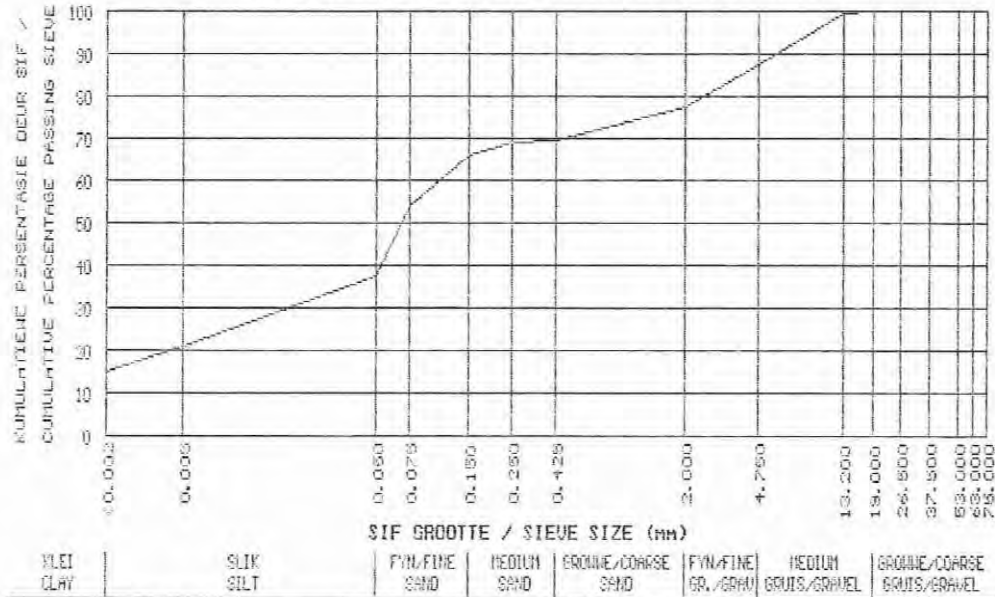
KLIENT/CLIENT : BOPITE ENGINEERING GEOLOGISTS
 PROEKT/PROJECT : PINEDALE
 AANDAG/ATTENTION : GAVIN
 MONSTER/SAMPLE NO: PD 7A
 MATERIAL BESKRYWING/MATERIAL DESCRIPTION : CLAYEY SAND

U VERM/OUR REF :
 ONS VERM/OUR REF : CD 69 / 12
 DATUM/DATE : 26/09/2008
 DIEPTIE/DEPTH (mm):

FONDAMENTAANDUIDINGSTOETS FOUNDATION INDICATOR [TMH1 : A1 - A6]

VLEIGRENS/LIQUID LIMIT (%) : 33	VOGTHOUD/MOISTURE CONTENT (%) : -
PLASTISITEITSINDEKS/PLASTICITY INDEX : 16	OMWINDS KLASSE/CLASSIFICATION : CLAYEY SAND
LINEERE KRIMPING/LINEAR SHRINKAGE (%) : 7.5	P.R.A. KLASSE/CLASSIFICATION : A-6(6)
PERSENTASIE/PERCENTAGE (< 0.002) : 15	GEHEENSKAPLIKE GROND KLAS./UNIFIED SOIL CLAS.: CL
PI VAN HELE MONSTER/PI OF WHOLE SAMPLE: 11	AKTIVITEIT/ACTIVITY : 0.7
GRAD. MODULUS : 0.99	UITSETTINGSKLASSE/HEAVE CLASSIFICATION: LOW

PARTIKELGROOTTEVERDELING / PARTICLE SIZE DISTRIBUTION



OPMERKING/REMARKS : SAMPLED BY CLIBIT

VORM/FORM: A5

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