Lonestar Alpha Laboratories

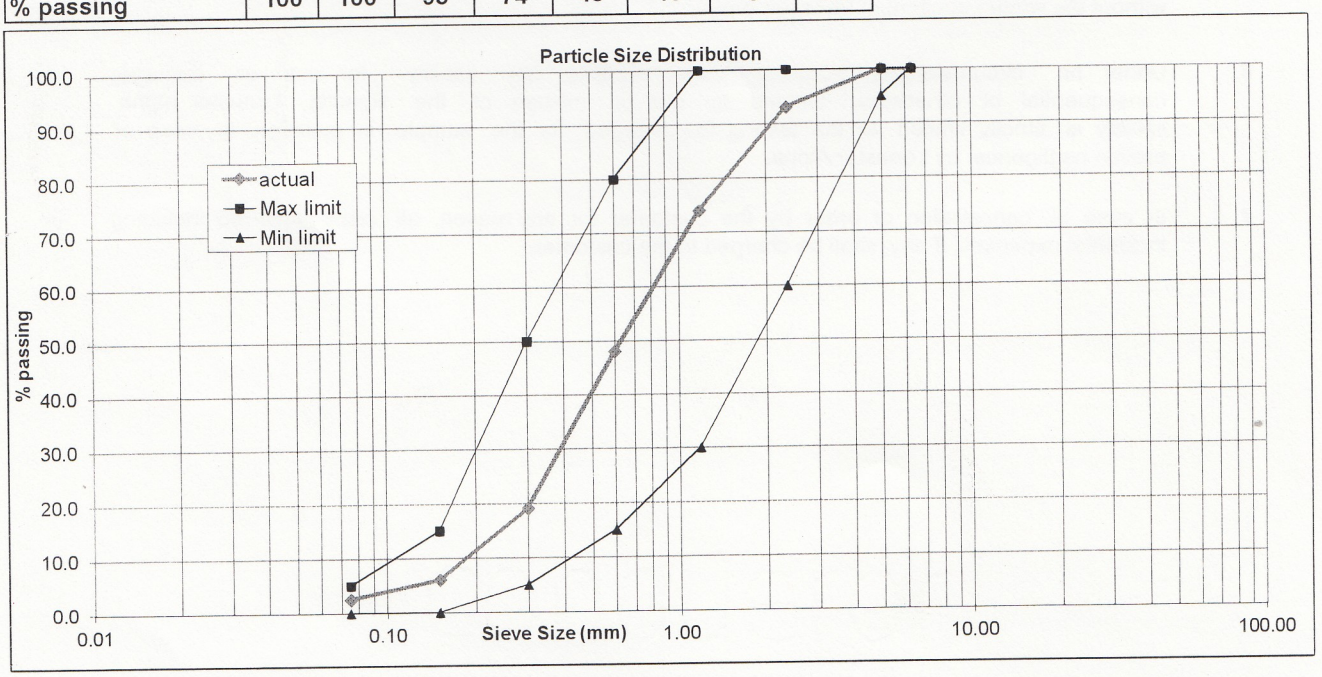
Muscat : P.O. Box 1197, P.C 130, Muscat, Sultanate of Oman - Tel.: +968 24501524 / 5590, Fax : +968 24503814
Sohar : P.O. Box 84, P.C 327, Sohar Industrial Estate, Sultanate of Oman - Tel.: +968 26751755 / 920 / 976, Fax : +968 26751331
Duqm : Tel.: +968 99278040, E-mail: duqm.lab@lonestaralpha.com - Salalah : Tel.: +968 99887835, E-mail: salalah.lab@lonestaralpha.com
E-mail : info@lonestaralpha.com, Website: www.lonestaralpha.com

REPORT ON ANALYSIS OF AGGREGATE

Report No.	LSCIV09-9155/8	Report Date	02.02.2013
Sample No.	SCIV13-0144/8	Date Received	20.01.2013
Sampling Date	20.01.2013	Project Client	NG
Client / Customer	Abdulla Ali Al Kashry & Partners LLC	Consultant	NG
Project.	Abdulla Ali Al Kashry & Partners LLC	Sampled by	Customer
Sample Description	3mm Natural Washed Sand (plaster sand)	Sample Preparation	BS 812 Part 101:1984
Sample Source	Al Kashry Crusher Sohar	Test Date	20.01.13 to 31.01.13
Sampling Location	Crusher Stock Pile	Tested By.	NPK/ALI
Client Sample Ref.	08	Verified	RMP
Test Location	Lonestar Alpha Lab Sohar & muscat		

1. Particle Size Analysis (BS 812 Section 103.1 : 1985)

Sieve (mm)	6.3	5.0	2.36	1.18	0.600	0.300	0.150	0.075
% passing	100	100	93	74	48	19	6	2.5



Note : The above limits from BS 1199 : 1976 Table 1.

LONESTAR ALPHA LABORATORIES P.O. Box 1197, P.C. 130, Sultanate of Oman C.R. No. 3245330

Terms and conditions on the reverse side of the sheet.

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REPORT ON
ANALYSIS OF AGGREGATE (Contd')

Report No:	LSCIV/09-9155/8
Client Ref:	Sample # 8

Date Received	20th January 2013
Date Reported	2nd February 2013

Sample Description: 3mm Natural Washed Sand (Plaster Sand)

2. Physical Properties

Test	Test Method	Result
Particle density (oven dried) Mg/m^3	BS 812 Part 2 : 1995	2.71
Particle density (SSD) Mg/m^3		2.76
Apparent Relative density Mg/m^3		2.84
Water Absorption %		1.7
Clay/Silt Content-Material passing 75 microns sieve %	BS 812 Part 103.1 1985	2.5
Bulk Density (Un Compacted) Kg/m^3	BS 812 Part 2 : 1995	1630
Soundness Value of coarse Aggregate ($MgSO_4$ solution in 5 cycles) %	ASTM C 88 : 2005	3

3. Chemical Analysis.

Test	Test Method	Results
Acid Soluble Chlorides %	BS 812: Part 117-88	0.02
Acid Soluble Sulfates SO_3 %	BS 812: Part 118-88	0.04
Organic Impurities	ASTM C40-04	*Absent

*The colour of the supernatant solution is less than that of the standard solution.

LONESTAR ALPHA LABORATORIES C.R. No. 3245330 P.O. Box 1197, P.C. 130, Sultanate of Oman

Rakesh M. Pillai
Assist. Manager - Civil

For and on Behalf of Lonestar Alpha Laboratories
Sohar