



Lonestar Alpha Laboratories

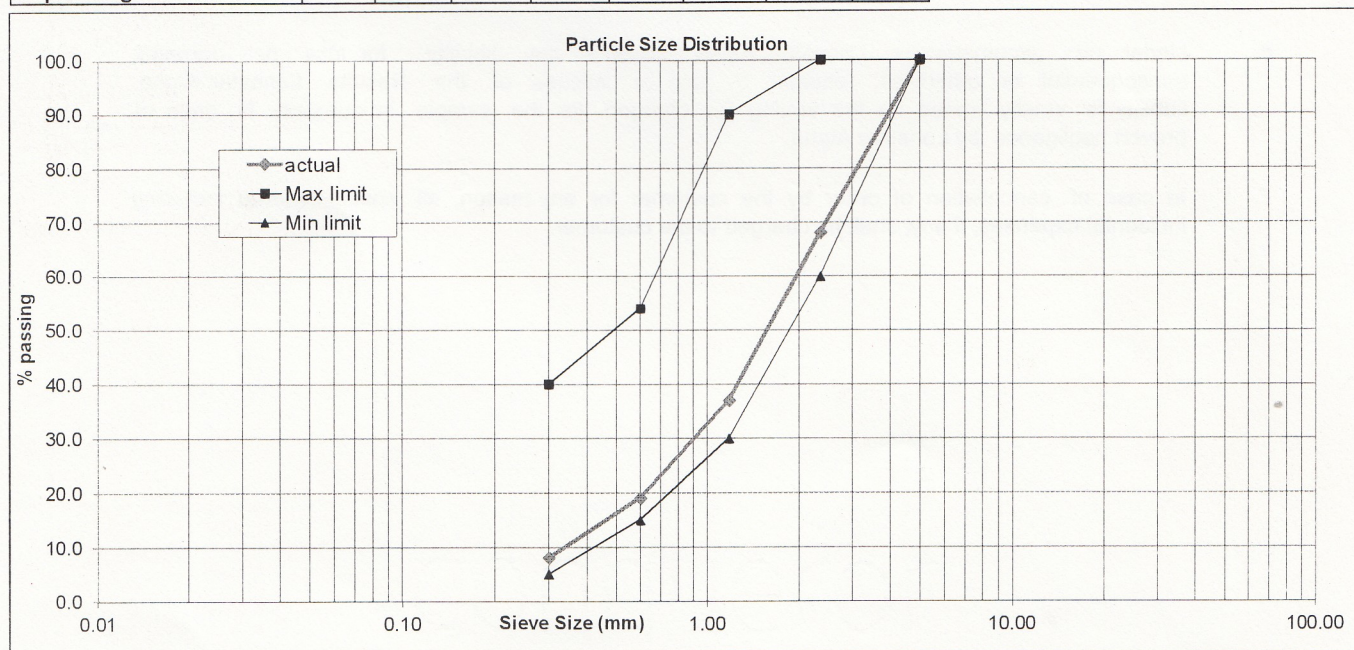
Muscat : P.O. Box 1197, P.C 130, Muscat, Sultanate of Oman - Tel.: +968 24501524 / 5590, Fax : +968 24503814
Sohar : P.O. Box 84, P.C 327, Sohar Industrial Estate, Sultanate of Oman - Tel.: +968 26751755 / 920 / 976, Fax : +968 26751331
Duqm : Tel.: +968 99278040, E-mail: duqm.lab@lonestartalpa.com -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

REPORT ON ANALYSIS OF AGGREGATE

Report No.	LSCIV09-9155/6	Report Date	02.02.2013
Sample No.	SCIV13-0144/6	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	3/16 Crushed Washed 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.	06	Verified	RMP
Test Location	Lonestar Alpha Lab Sohar & Muscat		

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

Sieve (mm)	10.0	5.0	2.36	1.18	0.600	0.300	0.150	0.075
% passing	100	100	68	37	19	8	4	1.3



Note : The above limits from BS 882 : 1992 Table 4, Zone C.





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REPORT ON ANALYSIS OF AGGREGATE (Contd.)

Report No:	LSCIV/09-9155/6
Client Ref:	Sample # 6

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

Sample Description: 3/16 Crushed Washed Sand

2. Physical Properties

Test	Test Method	Result
Particle density (oven dried) Mg/m ³	BS 812 Part 2 : 1995	2.77
Particle density (SSD) Mg/m ³		2.80
Apparent Relative density Mg/m ³		2.85
Water Absorption %		1.1
Clay/Silt Content-Material passing 75 microns sieve %	BS 812 Part 103.1 1985	1.3
Bulk Density (Un Compacted) Kg/m ³	BS 812 Part 2 : 1995	1690
Soundness Value of Fine Aggregate (MgSO ₄ solution in 5 cycles) %	ASTM C 88 : 2005	2

3. Chemical Analysis.

Test	Test Method	Results
Acid Soluble Chlorides %	BS 812: Part 117-88	0.01
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.



Rakesh M. Pillai
Assist. Manager - Civil

For and on Behalf of Lonestar Alpha Laboratories
Sohar