

LEHIGH

HEIDELBERGCEMENT Group

Mill Test Certificate Report

Type: Masonry N

Test Period: 26-Jun-2012
To: 27-Dec-2012

Certification

This certifies that the described cement, at the time of shipment, meets chemical and physical requirements of the current applicable specification for ASTM C 91 for Type N. We are not responsible for improper use or workmanship.

General Information

Supplier: Lehigh Cement Company LLC
Address: 675 Quaker Hill Rd.
Union Bridge, Md. 21791
Telephone: (800)462-9071

Source Location: Union Bridge

Contact: Customer Service

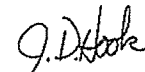
Tests Data on ASTM "Standard" Physical Requirements

Item	Limit (%)	Result (%)	Item	Limit	Result
Fineness:			Compressive Strength:		
residue on 45 µm (No. 325) Sieve (%)	24 max	1.85	7 Day (MPa)	3.4 min	9.6
Autoclave Expansion (%)	1.0 max	0.05	28 Day (MPa)	6.2 min	12.8
Gillmore Setting Time:			Air Content of Mortar (%)	8 min / 21 max	16.50
Initial Set (minutes)	not less than 120	265	Water Retention Value (% of original flow)	70 min	78
Final Set (minutes)	not more than 1440	400			

Notes

01/04/13

Date



Quality Control Manager: Jeffrey D. Hook