

N.U.Q.Q.

NEW ULM QUARTZITE QUARRIES

2008 PRODUCT TEST SUMMARY

PRODUCT: QUARTZITE ROAD BASE AGGREGATE

GRADATION

NUMBER OF TESTS PERFORMED: 2			DATE OF LAST TEST: 05/27/2008			
SIEVES (millimeters in parentheses)	MNDOT 'CLASS- 5' SPEC LIMITS	MNDOT 'CLASS- 2' SPEC LIMITS	N.U.Q.Q. RUNNING AVERAGE	STANDARD DEVIATION ABOUT RUNNING AVERAGE	N.U.Q.Q. GRADATION TARGET BAND	% OF TESTS INSIDE OF TARGET BAND
1.0" (25.0)	100%		92.0%	11.3%	81% - 103%	100.0%
0.75" (19.0)	90% - 100%	100%	89.5%	14.8%	75% - 104%	100.0%
0.375" (9.5)	50% - 90%	65% - 90%	71.5%	16.3%	55% - 88%	100.0%
#4 (4.75)	35% - 70%	35% - 70%	60.0%	15.6%	44% - 76%	100.0%
#10 (2.0)	20% - 55%	25% - 45%	46.0%	19.8%	26% - 66%	100.0%
#40 (0.425)	10% - 35%	12% - 30%	25.0%	9.9%	15% - 35%	100.0%
#200 (0.075)	3% - 10%	5% - 13%	4.4%	3.6%	1% - 8%	100.0%
NOTE: VALUES INDICATE THE PERCENT BY WEIGHT PASSING SQUARE OPENING SIEVES.						

GENERAL QUALITY

QUALITY PARAMETERS	N.U.Q.Q. RUNNING AVERAGE	MNDOT SPEC LIMITS	NOTE
L.A.R. ABRASION LOSS, (A.S.T.M. C131-89):	0.0%	40% MAX.	TOUGHNESS
SPECIFIC GRAVITY, (A.S.T.M. C127-88):	2.62	N/A	SSD
Quartzite road base is 100% crushed.			
QUARTZITE AGGREGATES CONTAIN NO SHALE, IRON OXIDE, SLATE, UNSOUND CHERT OR CLAY BALLS.			

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SAMPLES AVAILABLE UPON REQUEST