

PLEASANTON PLANT
SMARA 91-01-0010

June, 2011



To: Bill Garland
Bode Concrete

Subject: A6J - 3/8" Concrete Aggregate Submittal

Please find below the laboratory test results. We certify that the aggregate produced at our Pleasanton operation meets the requirements of the American Society of Testing and Materials, ASTM C 33 size #8, and Caltrans Section 90. Our most recent test results presented for your review:

A6J
3/8" CONCRETE AGGREGATE

GRADATION			
SIEVE SIZE	PERCENT PASSING	ASTM SIZE #8 SPECIFICATION	CALTRANS SEC. 90
½" (12.5 mm)	100	100	100
¾" (9.5 mm)	92	85 - 100	(X=85±15) 70 - 100
#4 (4.75 mm)	20	10 - 30	0 - 25
#8 (2.36 mm)	1	0 - 10	0 - 6
#16 (1.18 mm)	0	0 - 5	-

PHYSICAL PROPERTIES

ASTM STANDARD	COARSE AGGREGATE ASTM C 33
Specific Gravity (SSD)	2.68
Absorption	1.4%
Cleanness Value	84
Coarse Durability Index	74
Dry Rodded Unit Weight	103.0 lbs/cu. Ft.
ASTM C 88 - Sodium Sulfate Soundness (Coarse)	1.4%
ASTM C 117 - Material Finer Than #200	0.7%
ASTM C 131 - Los Angeles Abrasion (500 Revs)	20% Loss
ASTM C 142 - Clay Lumps & Friable Particles	0.0%
ASTM C 289 - Alkali Silica Reaction (ASR)	Innocuous
ASTM C123 - Light Weight Particles	0.2%
ASTM C40 - Organic Impurities - Standard Color Procedure	(1) Lighter - Satisfactory

If you require any additional information, please do not hesitate to call.

Respectfully,
Vulcan Materials Company

Philip Reid
Technical Services Regional Manager