



Linda S. Adams
Secretary for
Environmental Protection

Air Resources Board

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov



Arnold Schwarzenegger
Governor

December 7, 2010

Mr. Jean Yves Angers
Les Sables Olimag, Incorporated
163, rue PIE XI Street, C.P. 276
Thetford Mines, Quebec G6G 5T1
Canada

Dear Mr. Angers:

We are pleased to inform you that the abrasive listed below is certified for permissible dry outdoor blasting.

Les Sables Olimag, Incorporated

163, Rue PIE XI Street, C.P.276
Thetford Mines, Quebec G6G 5T1
Canada

www.olimag.com

Jean Yves Angers
(418) 338-3562
Fax: (418) 338-9100
jy.angers@olimag.com

Plant: 725 Boul Caouette C.P. 276
Thetford Mines, Quebec
Canada

Brand Name or Grade:

Jetmag 30-60

Expires:

8/31/12

If you have questions or need further assistance, please contact Ms. Kathryn Gugeler at (916) 322-0221 or via email at kgugeler@arb.ca.gov, or I can be reached at (916) 445-4686 or via email at amacpher@arb.ca.gov.

Sincerely,

Angus MacPherson, Manager
Testing and Certification Section
Monitoring and Laboratory Division

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption.
For a list of simple ways you can reduce demand and cut your energy costs, see our website: <http://www.arb.ca.gov>.*

California Environmental Protection Agency

**Abrasive Certification
Summary Data Sheet**

Les Sables Olimag, Incorporated

Jean Yves Angers

418-338-3562

163, rue PIE XI C.P. 276

FAX: 418-338-9100

Thetford Mines

Quebec

G6G 5T1

Canada

Jetmag 30-60

Plant Location: 725 Boul Caouette C.P. 276, Thetford Mines, Quebec, Canada

TEST DATA

Sieve Analysis

Size	Wt. gm
16	25.1
20	183.1
25	100.1
30	71.2
40	79.6
50	29.1
70	10.5
Pan	2.6

Initial Wt. 500.8

Percent Passing #70 Sieve: 0.5

Blasting and Hydrometer Tests

Blast Sample:	A	B	C
5 Micron %:	2.3	2.2	2.5

Average Percent 5 Micron or Less: 2.3

Specific Gravity: 3.2

Visible Emissions Alternative Test

cpff: or 70 whichever is larger

Visible Emissions Reading (if performed):