

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
64531-2009-AHSO-USA-DNV

Initial certification date:
22, November, 2002

Valid:
02, October, 2017 - 15, September, 2018

This is to certify that the management system of

Almatis, Inc.

501 West Park Road, Leetsdale, PA, 15056, USA
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Occupational Health and Safety Management System
standard:

OHSAS 18001:2007

This certificate is valid for the following scope:

The Manufacture and Sale of Alumina Chemicals

Place and date:
Katy, TX, 26, September, 2017



For the issuing office:
DNV GL – Business Assurance
1400 Ravello Drive, Katy, TX, 77449 USA

A handwritten signature in black ink, appearing to read "Chandran Ilango".

Chandran Ilango
Management Representative

Certificate No: 64531-2009-AHSO-USA-DNV
 Place and date: Katy, TX, 26, September, 2017

Appendix to Certificate

Almatis, Inc.

Locations included in the certification are as follows:

| Site Name | Site Address | Site Scope |
|------------------|--|--|
| Almatis, Inc. HQ | 501 West Park Road, Leetsdale, PA, 15056, USA | The Manufacture and Sale of Alumina Chemicals |
| Almatis, Inc. | 4701 Alcoa Road, Bauxite, AR, 72011, USA | The Manufacture and Sale of Alumina Chemicals |

