



CERTIFICATE OF APPROVAL

This is to certify that the Quality Management System of:

**North American Hoganas, Inc.
101 Bridge Street
Johnstown, Pennsylvania 15902, USA**

has been approved by Lloyd's Register Quality Assurance, Coventry, West Midlands, UK, to the following Quality Management System Standard:

ISO/TS 16949:2009

The Quality Management System is applicable to:

**Design and Manufacture of Iron Powders, High-Alloyed
Products and Mixes of Metal Powders and Additives.**

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

Approval Certificate No: UQA 0112135/E Original ISO/TS 16949 Approval: September 9, 2004

Current Certificate: August 6, 2010

Certificate Expiry: August 5, 2013



IATF Certificate No: 0107563


Issued by: Lloyd's Register Quality Assurance, Inc. for and
on behalf of Lloyd's Register Quality Assurance Limited



CERTIFICATE SCHEDULE

North American Hoganas, Inc.

Locations:

111 Hoganas Way
Hollsopple, Pennsylvania 15935, USA

Activities:

Design, Sales, Technical Support and
Distribution including Products of
Hoganas Group of Companies.

Approval

Certificate No: UQA 0112135/E

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This document is subject to the provision on the reverse

71 Fenchurch Street, London EC3M 4BS United Kingdom. Registration number 1879370
This approval is carried out in accordance with the LRQA assessment and certification procedures and monitored by LRQA.

Macro Revision 13