

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
60638-2009-AQ-USA-ANAB

Initial certification date:
13 August 2009

Valid:
16 July 2018 - 27 October 2020

This is to certify that the management system of

Umicore Optical Materials USA, Inc.

2976 South 614 Road, Quapaw, OK, 74363, USA

has been found to conform to the Quality Management System standard:

ISO 9001:2015

This certificate is valid for the following scope:

Manufacturing, Recycling, and Sales of Germanium (Ge) & Chalcogenide (GASIR®) Based Products built to Umicore and/or Customer Specifications, including Ge Tetrachloride, Ge Windows, and Infrared Optical Components (Lenses and Lens Assemblies). Along with manufacturing and/or sales of sputtering targets, evaporation materials and accessories.

Exclusions: 8.3 Design and development of product and services

The Quapaw site does not perform any design and development activities at the site. All research and development activities are carried in other Umicore facilities.

Place and date:
Katy, TX, 16 July 2018



For the issuing office:
DNV GL – Business Assurance
1400 Ravello Drive, Katy, TX, 77449-5164,
USA

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

Chandran Ilango
Management Representative

