

CERTIFICATE

TUV Rheinland of North America, Inc.
295 Foster Street, Suite 100, Littleton, MA 01460



Hereby certifies that:

Umicore Optical Materials USA

**2976 S614 Road
Quapaw, OK 74363
USA**

has established and maintains an environmental management system for the

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.

An audit was performed and documented in Report No. 4592.
Proof has been furnished that the requirements according to

ISO 14001:2015

are fulfilled.

Further clarification regarding the scope of this certificate and the applicability of ISO 14001:2015 requirements may be obtained by contacting TRNA.

Certificate Registration No.

74 300 4592

Certificate Issue Date
October 28, 2020

Certificate Expiration Date
October 27, 2023

Reissue Date: 09/13/2020



A handwritten signature in black ink.

Certification of Management Systems