

Technical Data Sheet

Lanthanum oxide powder

Date Issued: 2019-08-13

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

Product name	Lanthanum oxide powder
Product code	NO-0042-UP
Supplier	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Emergency telephone	+49 (0)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

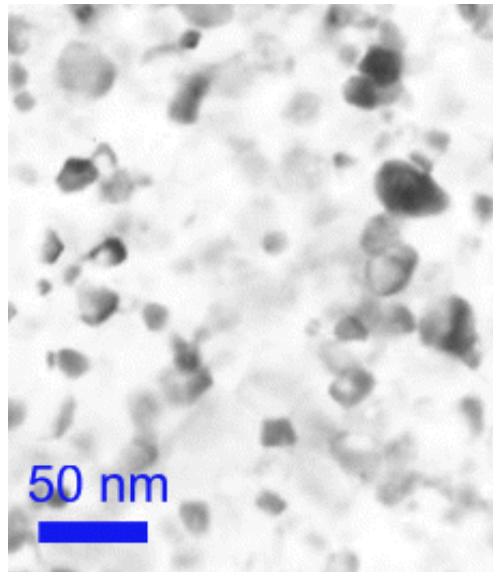
Ingredient name	Lanthanum oxide
CAS No.	1312-81-8
Empirical Formula	La ₂ O ₃
Molecular weight	325.81 amu
Purity	99.99%
Average Particle Size	15-30 nm
Specific Surface Area	20-40 m ² /g
Color	white
Bulk Density	< 0.2 g/cm ³
True Density	6.51 g/cm ³
Manufacturing Method	sol-gel

Technical Data Sheet

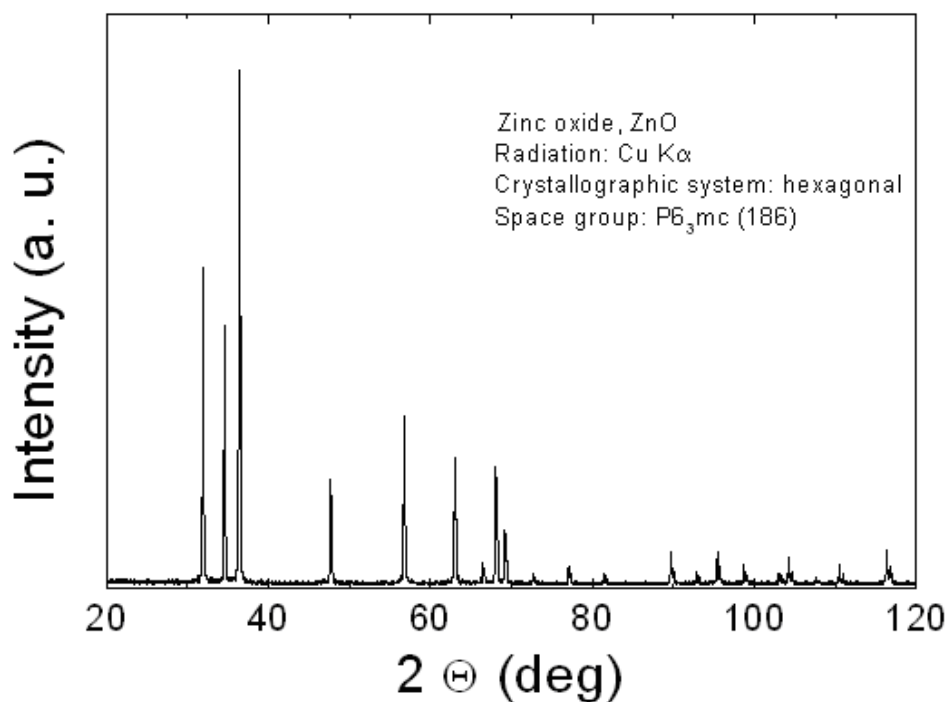
Lanthanum oxide powder

Date Issued: 2019-08-13

3 TRANSMISSION ELECTRON MICROSCOPY



4 X-RAY DIFFRACTION PATTERN



Technical Data Sheet

Lanthanum oxide powder

Date Issued: 2019-08-13

5 OTHER INFORMATION

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOPOSED TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. IOLITEC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. THIS INFORMATION RELATES ONLY TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR ANY PROCESS. IT IS THE USERE'S RESPONISIBILTY TO SATISFY HIMSELF AS TO THE SUITABILITY OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE.

IN NO WAY SHALL IOLITEC BE LIABLE FOR ANY CLAIMS, LOSSES OR DAMAGES OF ANY THIRD PARTY OR FOR THE LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF THE COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.