

## Specification

Code No: EO05356

CAS No: 1306-38-3

EEC No 215-150-4

Chemical Name: **Cerium Dioxide**  
Synonyms: Cerium (IV) Oxide

Structure:



Molecular Formula:  $\text{CeO}_2$

Molecular Weight: 172.11

### Product Properties:

Main component:  $\text{CeO}_2$  /TREO min 99,9%

Re Impurities (ppm)

Non-RE Impurities (ppm)

$\text{Eu}_2\text{O}_3$	<1.1	$\text{CuO}$	<1.0
$\text{Sm}_2\text{O}_3$	<13	$\text{Fe}_2\text{O}_3$	<38
$\text{Dy}_2\text{O}_3$	<2.2	$\text{CaO}$	<35
$\text{Ho}_1\text{O}_3$	<1.2	$\text{SiO}_2$	<14
$\text{Y}_2\text{O}_2$	<1.2	$\text{PbO}$	<1.0
$\text{Er}_2\text{O}_3$	<1.0	$\text{Al}_2\text{O}_3$	
$\text{Nd}_2\text{O}_3$	<47		
$\text{Pr}_6\text{O}_{11}$	<68		
$\text{La}_2\text{O}_3$	<53		

INTATRADE Chemicals GmbH