

# Technical Data Sheet

## Barium Titanate powder

Revision Date: 5/11/2026

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

<b>Product name</b>	Barium Titanate powder
<b>Product code</b>	NO-0073-UP
<b>CAS</b>	12047-27-7
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)151-41255671

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

<b>Ingredient name</b>	Barium Titanate
<b>CAS No.</b>	12047-27-7
<b>Empirical Formula</b>	BaTiO <sub>3</sub>
<b>Molecular weight</b>	233.19 g/mol
<b>Purity</b>	99.95 %
<b>Crystallographic phase</b>	cubic (XRD)
<b>Average Particle Size</b>	50 nm (SEM/BET)
<b>Specific Surface Area</b>	~ 20 m <sup>2</sup> /g (BET)
<b>Relative Density</b>	5.85 g/cm <sup>3</sup>
<b>Melting point</b>	1600°C

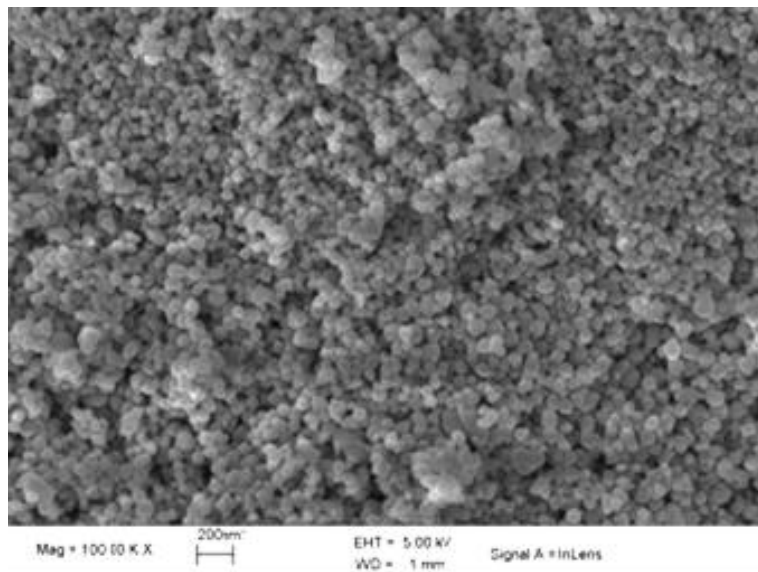
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### 3 SEM IMAGE



### 4 OTHER INFORMATION

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