

Technical Data Sheet

Barium Titanate powder

Revision Date: 04/29/2024

Date Issued: 04/29/2024

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

Product name	Barium Titanate powder
Product code	NO-0041-UP
CAS	12047-27-7
Supplier	IoLiTec Ionic Liquids Technologies GmbH Im Zukunftspark 9 D-74076 Heilbronn Germany
Telephone	+49 (0)7131 - 898390
Fax	+49 (0)7131 - 89839109
Emergency telephone	+49 (0)151-41255671

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Barium Titanate
CAS No.	12047-27-7
Empirical Formula	BaTiO ₃
Molecular weight	233.19 g/mol
Purity	99.9 %
Crystallographic phase	cubic
Average Particle Size	100 nm (SEM/BET)
Specific Surface Area	> 10 m ² /g (BET)
Relative Density	5.85 g/cm ³
Melting point	1600°C

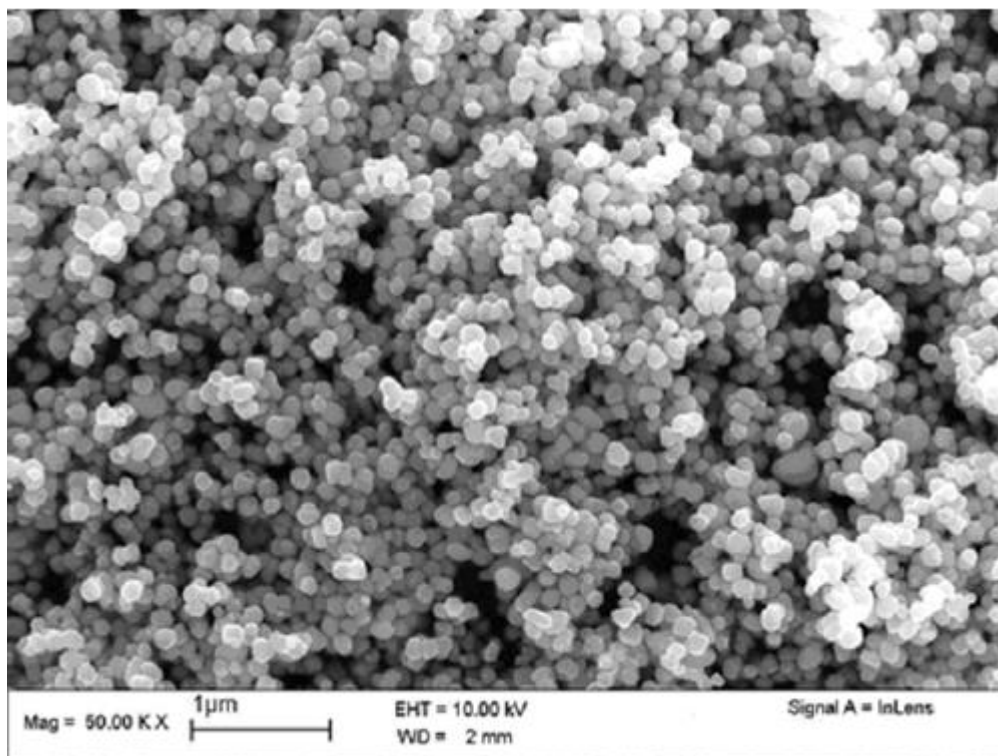
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3 SEM IMAGE



4 OTHER INFORMATION

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