

Technical Data Sheet

Platinum powder

Revision Date: 8/18/2025

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

Product name	Platinum powder
Product code	NM-0042-UP
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)176 - 84850874

2 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Platinum
Empirical Formula	Pt
CAS No.	7440-06-4
Molecular weight	195.08 g/mol
Purity	99.9% (metal basis)
Average Particle Size	100 nm
Specific Surface Area	20 m ² /g
Morphology	spherical
True Density	21.45 g/cm ³
Melting point	1768°C

Technical Data Sheet

Platinum powder

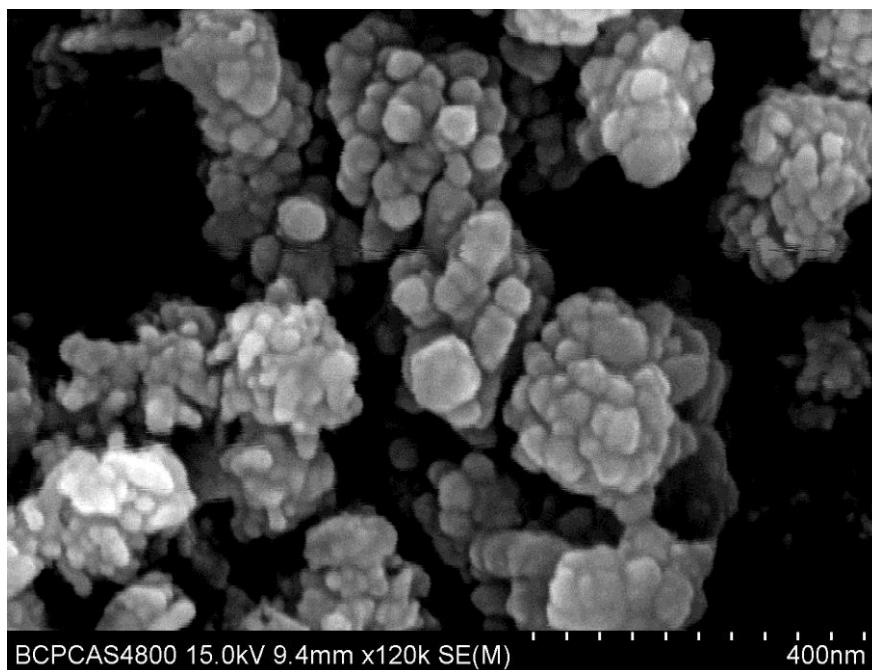
Revision Date: 8/18/2025

3 SPECIFICATIONS

typical impurities (%):

Pt	<0.0005	Cr	<0.0005
Rh	<0.0034	Cu	<0.0001
Ir	<0.001	Fe	<0.00091
Ru	<0.002	Mg	<0.0025
Au	<0.0005	Mn	<0.0005
Ag	<0.0005	Ni	<0.0005
Al	<0.0005	Pb	<0.0005
Bi	<0.0041	Si	<0.001
Ca	<0.001	Sn	<0.0005

4 SCANNING ELECTRON MICROSCOPY



Technical Data Sheet

Platinum powder

Revision Date: 8/18/2025

5 OTHER INFORMATION

DISCLAIMER

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPOSED 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 USER'S RESPONSIBILITY 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.