

# Technical Data Sheet

## Platinum powder

Date Issued: 2018-03-28

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

<b>Product name</b>	Platinum powder
<b>Product code</b>	NM-0042-UP
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D-74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131 - 898390
<b>Fax</b>	+49 (0)7131 - 89839109
<b>Emergency telephone</b>	+49 (0)176 - 84850874

### 2 COMPOSITION / INFORMATION ON INGREDIENTS

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

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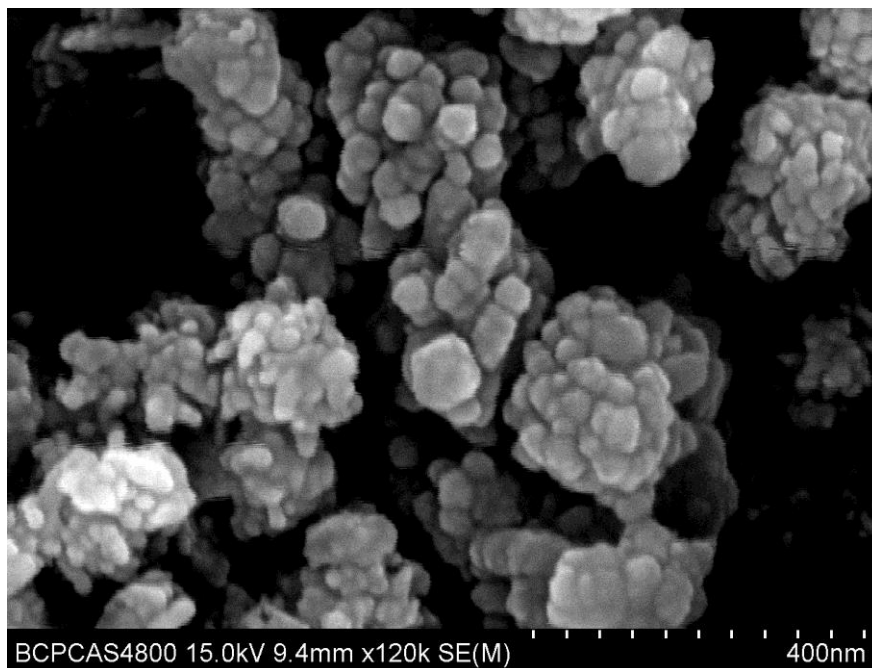
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### 3 SPECIFICATIONS

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



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### 5 OTHER INFORMATION

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