

Technical Data Sheet

Stainless steel powder

Revision Date: 08/14/2019

Date Issued: 08/14/2019

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

| | |
|----------------------------|---|
| Product name | Stainless steel powder |
| Product code | NM-0035-HP |
| Supplier | IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 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 | Stainless steel |
| Empirical Formula | Fe |
| CAS No. | 65997-19-5 |
| Molecular weight | 55.85 amu |
| Purity | 99.9% (metal basis) |
| Average Particle Size | 60-80 nm |
| Colour | Black |
| Morphology | Spherical |
| True Density | 7.99 g/cm ³ |
| Melting range | 2400 – 2800°C |

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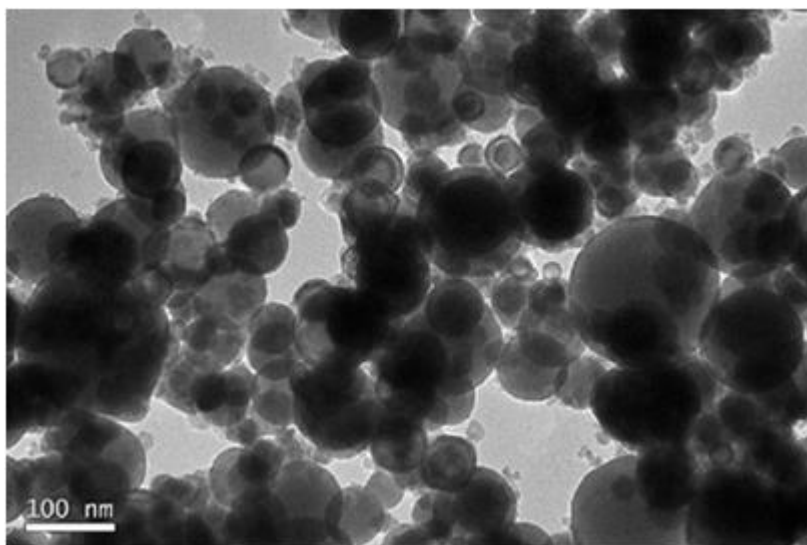
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| Components | Contents (%) |
|------------|--------------|
| C | 0.03 max. |
| Mn | 2.00 max. |
| P | 0.045 max. |
| S | 0.03 max. |
| Si | 0.75 max. |
| Cr | 16.0 – 18.0 |
| Ni | 10.0 – 14.0 |
| Mo | 2.0 – 3.0 |
| Ni | 0.1 max |
| Fe | Balance |

3 TRANSMISSION ELECTRON MICROSCOPY



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4 OTHER INFORMATION

DISCLAIMER

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