

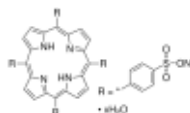
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Product Specification

Product Name:
5,10,15,20-Tetraphenyl-21H, 23H-porphine-p,p',p''-tetrasulfonic acid tetrasodium hydrate

Product Number: **389404**
 CAS Number: 652154-11-5
 MDL: MFCD00192496
 Formula: C₄₄H₂₆N₄Na₄O₁₂S₄ · xH₂O
 Formula Weight: 1,022.92 g/mol



| TEST | Specification |
|------|---------------|
|------|---------------|

| | |
|----------------------------|--|
| Appearance (Color) | Purple to Very Dark Purple and Black |
| Appearance (Form) | Powder or Crystals or Powder with Chunk(s) or Crystals with Chunk(s) |
| Infrared spectrum | Conforms to Structure |
| Wavelength | 411 - 417 nm |
| 0.01g/L, Methanol | |
| Extinction Coefficient | ≥ 250000 |
| Carbon (Dry Basis) | 42.7 - 60.7 % |
| Nitrogen (Dry Basis) | 4.5 - 6.5 % |
| Sulfur (Dry Basis) | 10.3 - 14.7 % |
| Loss on Drying | |
| Typically 10% - 20%, 120°C | |

Specification: PRD.0.ZQ5.10000102697

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

