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Product Specification

Product Name:

1,7-Dimethylxanthine - ~98%, solid

Product Number: D5385 CAS Number: 611-59-6

Formula: C7H8N4O2 Formula Weight: 180.16 g/mol

TEST

Appearance (Form)
Appearance (Colour)
Solubility (Solvent)
Solubility (Conc)
Solubility (Turbidity)
Solubility (Color)

Elemental Anal. (%C anhydrous) Elemental Anal. (%N anhydrous)

Purity (TLC)
NMR (Solvent)
Identity by NMR
UV (Solvent)
UV (Lambda max 1)
UV (EmM at Lambda max 1)
Recommended Retest Period

3 Years

Specification: PRE.1.ZQ5.10000002216

Specification

Pow der

White to White w/ Yellow Cast

NH4OH 1N

49.00 - 51.00 mg/ml

Clear

Colorless to Faint Yellow

46.17 - 47.17 % 30.60 - 31.60 % > 97.00 %

DMS0-d6/D2O

Consistent

0.1M Phosphate Buffer PH 6

267 - 271 nm 9.00 - 11.00

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.