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Product Specification

Product Name:

Nalbuphine hydrochloride hydrate - ≥98% (HPLC)

Product Number: N4396

Formula: C21H27NO4 · HCI · xH2O

Formula Weight: 393.90 g/mol

OH · HCI

TEST

Appearance (Color)
Appearance (Form)
Proton NMR spectrum
Water (by Karl Fischer)
Carbon (anhydrous)

Purity (HPLC)
Solubility (Color)
Solubility (Turbidity)
50 mg/mL, H2O

Recommended Retest Period

4 Years

Specification: PRD.3.ZQ5.10000008400

Specification

White to Light Yellow

Pow der

Conforms to Structure

2.2 - 9.9 % 62.7 - 65.3 %

> 98 %

Colorless to Faint Yellow Clear to Very Slightly Hazy

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.