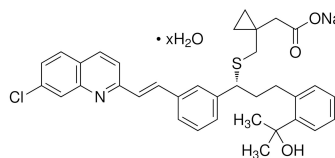


# Certificate of Analysis

**Product Name :** Montelukast sodium hydrate  $\geq 98\%$  (HPLC)  
**Product Number :** SML0101-10MG  
**Batch Number :** 000057704  
**Source Batch :** 116M4712V  
**Storage Temperature :** Cooler/Refrigerated  
**Molecular Formula :**  $C_{35}H_{35}ClNO_3S \cdot Na \cdot xH_2O$   
**Formula Weight :** 608.17 (anhydrous basis)  
**Quality Release Date :** 07 Nov 2016



Test	Specification	Result
Appearance (Color)	White to Tan	White
Appearance (Form)	Powder	Powder
Elemental Composition C <sub>35</sub> H <sub>35</sub> ClNO <sub>3</sub> S.Na.xH <sub>2</sub> O	Pass	Pass
Purity (HPLC)	$\geq 98.0\%$	99.7 %
Specific Rotation (c=1, Methanol)	90.0 - 106.0 °	95.5 °
ELEMENTAL ANALYSIS X VALUE H <sub>2</sub> O	0.0 - 4.0	2.8
Identity	Confirmed	Confirmed

Brendan Nye, QC Supervisor  
 Quality Control  
 Natick, Massachusetts  
 US

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](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale.

Version Number: 01 Doc 1024015

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