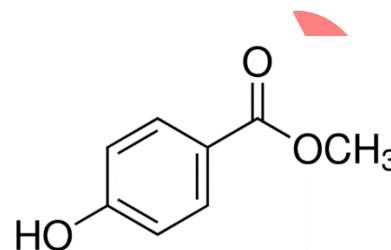


Certificate of Analysis

Product Name: Mpethyl paraben working standard
Trade Name: Nipagin
Product Number: Hamy03
Batch Number:
Brand:
CAS Number:
Formula: $\text{HOC}_6\text{H}_4\text{CO}_2\text{CH}_3$
Formula Weight: 152.15 g/mol
Storage Temperature: RT
Quality Release Date:
PubChem Preview ID: -



Application Note: HPLC: suitable.

Test	Specification	Result
Appearance (Color)	White to Beige	White crystalline
Appearance (Form)	Powder	Powder
Solubility (Color)	Conforms to requirements	-
Solubility (Turbidity)	Clear	-
Concentration	$\geq 36 \text{ mg/mL}$???
Purity (HPLC)	$\geq 97.5 \%$???
Identification (IR, melting point)		
Color of solution		
Acidity Limit of Hydrogen chloride		
Residue on ignition		
Organic impurities		
Assay		
Residual solvent		

Method Summary

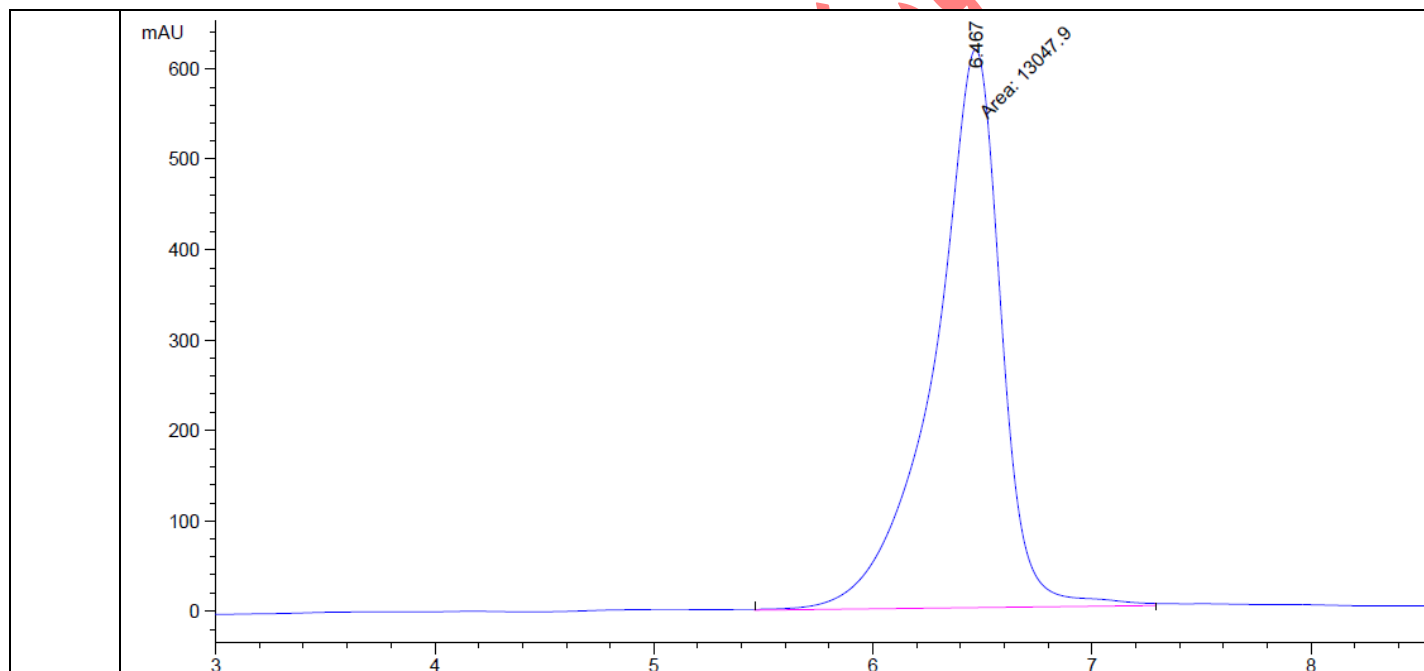
HPLC – Analytical HPLC analysis was carried out using reverse-phase chromatography under the following conditions:

Column: **Waters Xbridge OST C18 (4.6 x 50 mm, 2.5 μm)**

Wavelength: 210 nm

Flow: **1.0 mL/min.**

HPLC data and Chromatogram			
Sample Name:	????	Injection Volume:	???
Vial Number:	????	Channel:	???
Sample Type:	????	Wavelength:	210 nm
Control Program:	????	Bandwidth:	???
Quantified Method:	????	Dilution Factor:	1.000
Recording Time:	???	Sample Weight:	???
Run Time (min):	???	Sample Amount:	???



No.	Ret. Tim min	Peak name	Width min	Height mAU	Area mAU*min	Real area %	Amount	Type
1	6.467	n.a.	0.3520	617.84631	1.30479e4	96.527	n.a.	MM
2	12.887	n.a.	0.4797	12.64405	469.35645	3.4723	n.a.	VBA
3								
Total:				630.49036	1.35173e4	100		

Maryam Yousefi /PhD,
Supervisor Quality Assurance

HamyLab 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 (hamylabs@gmail.com). 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.