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## Product Specification

Product Name:  
HEPES - ≥99% (titration)

**Product Number:** H6903  
**CAS Number:** 161308-36-7  
**MDL:** MFCD00677124  
**Formula:** C<sub>10</sub>H<sub>22</sub>N<sub>2</sub>O<sub>4</sub>S  
**Formula Weight:** 266.36 g/mol

TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless to Faint Yellow
Solubility (Turbidity)	Clear to Slightly Hazy
25 g plus 50 mL, H <sub>2</sub> O	
Water (by Karl Fischer)	≤ 0.1 %
A <sub>290</sub> UV absorbance	≤ 0.10
(33% W/W)	
Heavy Metals	< = 5 ppm
As Pb	
Infrared spectrum	Conforms to Structure
% Purity (Anhydrous)	≥ 99 %
Titration by NaOH	

Specification: PRD.0.ZQ5.10000013624

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. 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.