

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB5186	
Compound name	HEPES	
Chemical name	2-(4-(2-Hydroxyethyl)piperazin-1-yl)ethanesulfonic acid	
Batch number	E1868-1-1	
Batch molecular formula	C ₈ H ₁₈ N ₂ O ₄ S	
Batch molecular weight	238.30	
Method	QC requirement	QC Result
NMR	¹ H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (1000 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

22-02-22

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.