

## Certificate of Analysis

Date of Testing: 2023-12-28 17:08:03

Date of Next Testing: 2027-12-27 17:08:03

Product Name: **HEPPS**

CAS Number: 16052-06-5

Specifications & Purity:  $\geq 99.5\%$ (T)

Lot #: L2327107

SKU #: **H110900****Analysis: 305635**

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
UV Absorbance 290nm(33%,H2O)	0-0.1	0.07
Ammonia (NH3)	0-0.1 (%)	0.03 %
Purity (Titration by NaOH)(anhydrous)	99.5-100.5 (%)	100.40 %
Water by Karl Fischer	0-0.1 (%)	0.04 %
Appearance (H110900)	white to off-white crystalline powder	white to off-white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H2O , Colorless to Light Yellow Clear25g/50 ml	pass	Pass

John Su  
QA & QC Manager