

Specification Sheet

Product Name: **Xanthine**
Specifications & Purity: $\geq 99.5\%$ (HPLC)
SKU #: **X104265**

Parameter	Limit Values
Nitrogen by Elemental Analysis	36.3-37.4 (%)
Water by Karl Fischer	0-2 (%)
Carbon by Elemental Analysis(anhydrous)	38.9-40.1 (%)
EmM Anhydrous	8.7-9.4
Purity(HPLC)	99.5-100 (%)
Appearance (X104265)	White or light yellow powder
Infrared spectrum	Conforms to Structure
Solubility,colorless to faint yellow,clear(50mg/ml,1M NaOH)	pass
Wave Length,277 - 278 nm	Pass