

# TECHNICAL DATA SHEET

## Bioselect® Guanidine Hydrochloride MBG (molecular biology grade)

Formula:  $\begin{array}{l} \text{H}_2\text{N} \\ \text{H}_2\text{N} \end{array} \begin{array}{l} \diagdown \\ \diagup \end{array} \text{C} = \text{NH} \times \text{HCl}$       Synonym: Aminoforamidine x HCl  
Guanidinium Chloride  
CAS: [50-01-1]

### Specified properties

Assay	min. 99.7%
Appearance	colorless crystals
Solubility (in water, 6M, 50% w/w)	clear, colorless
Melting point	185 – 188° C
Water	max. 0.1%
Iron	max. 0.1 mg/kg
Heavy metals (Pb)	max. 10 mg/kg
Dicyandiamide	max. 0.01%
Melamine	max. 0.01%
Ammonium	max. 0.01%
pH (in water, 6M, 50% w/w)	4.5 – 7.0
UV Absorbance at 260 nm (in water, 6M, 50% w/w)	max. 0.03
UV Absorbance at 230 nm (in water, 6M, 50% w/w)	informative
Protease, Phosphatase, DNase, RNase	informative

Specification: freie nicht umrandete Tabellen ggf. ergänzen

Packaging: PE drum with special inliner and desiccant bag: 10 kg or 20 kg.

Storage Conditions: Material is hygroscopic. Store at room temperature in a dry place. Protect from direct light exposure. It is recommended to use material within 2 years. See also MSDS.

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