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## CERTIFICATE OF ANALYSIS

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Product	Guanidine thiocyanate
Grade	Ultra Pure
Product Code	GDR0244
Formula	CH <sub>5</sub> N <sub>3</sub> ·CHNS
MW	118.16
CAS#	593-84-0

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Test Items	Specifications	Results
Appearance	White crystalline powder	Pass
Solubility (in water)	Clear and colorless solution at 6M in water	Clear and colorless
Purity	≥99.0%	99.8%
Abs. at 280nm (6M water)	≤0.50	0.41
Abs. at 300nm (6M water)	≤0.10	0.06
Abs. at 320nm (6M water)	≤0.10	0.03
Abs. at 410nm (6M water)	≤0.10	0.01
Mp(°C)	118-121°C	120°C
Moisture	≤1.0%	Conforms
Ash	≤0.1%	Conforms
Ammonium	≤0.1%	Conforms
Iron	≤1.0ppm	Conforms

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Storage: 18~25°C.