

SPECIFICATION

Guanine

Wako Special Grade

REQUIREMENT	SPECIFICATION
Appearance	White ~ slightly brown, crystalline powder ~ powder to pass test
Solubility in hydrochloric acid	
Absorption maximum	247~249nm
Ratio of absorbance (E250nm/E260nm)	1.36~1.46
Ratio of absorbance (E280nm/E260nm)	0.79~0.89
Ratio of absorbance (E290nm/E260nm)	0.45~0.51
Loss on drying at 105°C	max.1.0%
Copper (Cu)	max.0.001%
Lead (Pb)	max.0.001%
Arsenic (As)	max.1ppm
Iron (Fe)	max.0.003%
Assay	min.97.0%