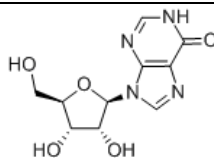


## Inosine Quality Specification

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Item	Inosine	CAS#	58-63-9
Chemical name	9-beta-d-furanoribose hypoxanthine	Chemical structure	
MF	C <sub>10</sub> H <sub>12</sub> N <sub>4</sub> O <sub>5</sub>		
MW	268.23		
Appearance	White crystalline powder; Odorless, slightly bitter taste		
Physicochemical Property	Melting point under atmospheric pressure: 218℃, flash point: 397℃, density: 2.08g/cm3, solubility: soluble in water (41.2g/L, 50℃), slightly soluble in ethanol, 20℃ in water solubility of 2.065		
Usage	As an important intermediate in food and pharmaceutical products. It can be used as synthetic food freshening agent 5 '-inosinate disodium, and can also be used as coenzyme drugs.		
Specification	Item		Specification
	Appearance	_____	White crystalline powder; Odorless, slightly bitter taste
	Assay(dry sample)	%	98.0~102
	Chromatographic purity	Inosine≥, %	98.5
		Guanosine ≤, %	0.70
		Purine≤, %	0.5
	light transmittance	≥, %	98
	Loss on drying	≤, %	1.0
	Residue on ignition	≤, %	0.2
	Acidity	_____	4.8~5.8
	Heavy metal(Pb)	≤, (mg/kg)	10
	Arsenic salt (As)	≤, (mg/kg)	2
	Chloridion	≤, %	0.01
	Enterprise In-house Specification		