



Product Specification

cdhfinechemical.com

AGAROSE LOW MELTING FOR MOLECULAR BIOLOGY

PRODUCT CODE	911160
SYNONYMS	--
C.I. NO.	--
CASR NO.	9012-36-6
ATOMIC OR MOLECULARFORMULA	--
ATOMIC OR MOLECULARWEIGHT	--
PROPERTIES	--

PARAMETER	LIMIT
Description	White to off-white free flowing powder.
Solubility	1.5% aq. hot soln. is clear & colourless.
Gelling Temperature (1.5% qa. Sol.)	26-30°C
Melting Temperature (1.5% gel)	About 65 °C
Gel strength (1% gel)	200gm/cm ²
Gel strength (1.5% gel)	300gm/cm ²
Gel strength (3% gel)	500gm/cm ²

MAXIMUM LIMIT OF IMPURITIES	
Loss on drying	10%
Sulphate (SO ₄)	0.15%
Electroendosmosis EEO (-Mr)	0.10
Absorbance (A) of 1.5% aq. solution at ~50°C in a 1 cm cell v/s H ₂ O	
430nm	0.1
530nm	0.05
655nm	0.03
DNase, RNase, Protease	Not Detected

Note(s) : Melting temp (1.5% gel) ? 65°C suitable for separation of DNA fragments <1000 base pairs (bp) & can distinguish fragments as small as 8 bp.

DANGER Hazard statement : Precautionary statements Prevention:----- Response: --- Disposal:-----	IMDG Code : UN No. : IATA :
	Hazard Pictogram(s) :-----