

PRODUCT IDENTITY

PRODUCT NAME	Agar	PRODUCT NUMBER	A501173
Grades & Purity	Suitable for molecular biology, for bacteria and yeast culture	VERSION	3
CAS NUMBER	9002-18-0	FORMULA	(C ₁₂ H ₁₈ O ₉) _n
FORMULA WEIGHT	g/mol		

ACCEPTANCE CRITERIA

PARAMETER	SPECIFICATION / LIMIT
Appearance(A501173)	Pale yellow to off white powder
Loss on drying(105°C)	0-12 (%)
Total ash (550°C) , w/%	0-5 (%)
Gel strength(1.5%,20°C,4h)	800-1200 (g/cm2)
Particle size(80 mesh)	95-100 (%)
Starch test	Negative
Gelatin test	Negative
Acid insoluble ash	0-0.5 (%)
Insoluble matter in H2O	0-1 (%)

PARAMETER	SPECIFICATION / LIMIT
Lead(Pb)	0-5 (ppm)
Arsenic(As)	0-3 (ppm)
Cadmium(Cd)	0-1 (ppm)
Mercury(Hg)	0-1 (ppm)
Total Plate Count	≤5000(CFU/g)
Total yeast and mould count	0-300 (cfu/g)