



**Certificate of Analysis**  
**Agar-Agar**

**Product:** Agar-Agar Powder  
**Lot No.:** 170721/001  
**Manufacturing Date:** March 2017  
**Best Before:** March 2020

Character and Test	Requirements	Results
Presentation	Powder	Conforms
Colour	White – Yellowish	Conforms
Gel strength (Nikkan method)	Min 900 g/cm <sup>2</sup>	980 g/cm <sup>2</sup>
Jellyfying point	30-40°C	38°C
pH at 10% suspension	6.0 - 7.0	6.89
Solubility	Insoluble in cold water; soluble in boiling water (*)	Conforms
Loss on drying	< 15% (*)	10.3%
Total ash	< 6.5 % (*)	1.4%
Starch	Passes test (*)	Conforms
Gelatin and other proteins	Passes test (*)	Conforms
Water absorption	Passes test (*)	Conforms
Total content of heavy metals	< 20ppm (mg/kg)	Conforms
Arsenic	< 3ppm (mg/kg) (*)	Conforms
Lead	< 5ppm (mg/kg) (*)	Conforms
Mercury	<1ppm (mg/kg) (*)	Conforms
Cadmium	<1ppm (mg/kg) (*)	Conforms
Total plate count	< 5000 colonies/g (*)	1300 colonies/g
Escherichia coli (5g)	Absent in 5g (*)	Conforms
Salmonella spp (5g)	Negative	Conforms
Moulds and Yeasts	< 300 colonies/g (*)	Conforms

(\*) According to Agar-Agar E-406's Regulation- Identity and purity tests

**Date:** May 2017