

# Hemoglobin

Cat. 1935

Ingredients

## Practical information

Applications	Categories
Enrichment	General use

Industry: Ingredients for culture media

## Principles and uses

Hemoglobin is an animal protein produced out of fresh bovine blood.

It forms a stable solution at 2% after sterilization. It is used as an enrichment substance in certain culture media such as Trypticasein Phosphate Broth, to isolate by hemoculture fastidious germs as Haemophilus, Streptococcus, etc. and especially to prepare the Chocolate Agar Media, widely used in the isolation of pathogenic Neisseria, Gonococcus and Meningococcus.

## Physical-chemical characteristics

Description	Specification	Typical Analysis
Ash		4%
Moisture	<=9,0%	8%
Appearance		Dark red crystalline powder
Arsenic		<0,2 ppm
Lead		<0,1 ppm
Mercury		<0,1 ppm
Cadmium		<0,05 ppm
pH		8-10
Proteins	>=90%	92%
Fats		0,2%
Solubility		90%

## Microbiological test

Description	Specification
E. coli	<100 CFU/g
Enterobacteriaceae	<1.000 CFU/g
Yeast	<1.000 CFU/g
Moulds	<1.000 CFU/g

## Storage

Temp. Min.:2 °C  
Temp. Max.:25 °C