

**PRODUCT SPECIFICATION
MONOPROPYLENE GLYCOL USP/EP**

Product Code: BM0181

Product description: Colourless, viscous hygroscopic liquid

Compliance: Meets the requirements of the European Pharmacopoeia

<u>Property</u>	<u>Method</u>	<u>Specification</u>
APHA colour	3002-0600902-99D	10 max
Purity	3002-0212801-08D	99.7 – 100.0%
Water Content (wt)	3002-0300101-95D	0.0 - 0.2%
Clarity @ 25°C	3002-0606601-06D	3NTU max
Specific Gravity @ 20 °C	3002-0301203-98D	1.0350 – 1.0400
Distillation range °C	3002-0301402-99D	185 - 189
Refractive Index nD20	3002-0601002-99D	1.431 – 1.433
Dipropylene glycol % wt	3002-0212801-08D	0.0 - 0.1%
Sulphated Ash	3002-0100305-01D	0 – 70 ppm
Chloride	3002-0300402-98D	0.0 – 70 ppm
Sulphate	3002-0400802-98D	0 – 60 ppm
Neutralisation Number	3002-0300303-98D	0.01 mg KOH/g max
Acidity (as acetic acid) % wt	3002-0300303-98D	0.002 max
Heavy metals	3002-0102202-98D	0.0 – 5.0 ppm
Iron	3002-0602002-9D	0 - 0.5 ppm
Lead	3002-0602903-05D	2 ppm max
Arsenic	3002-0601603-05D	3 ppm max

Country of Origin:	Germany, Spain
Microbiology:	Does not support microbial growth
Legislation:	Monopropylene glycol is "generally recognised as safe" GRAS for use as a direct food additive by the U. S. Food and Drug Administration (21CFR184.1666)
Nutritional:	Monopropylene Glycol has the general structure of a carbohydrate and for food labelling purposes it should be included with the grams of carbohydrate per serving declaration. The calorific value is defined as 4 kcal per gram.
Allergens:	Does not contain any allergens as defined by the EU.
Suitability:	Suitable for vegetarians, vegans, coeliacs and lactose intolerants
Genetic Modification:	The manufacturing process for monopropylene glycol does not include any raw material or additives of animal or vegetable origin
Irradiation:	The product has not undergone any treatment with ionising radiation.
Kosher:	The product is Kosher certified.
Halal:	The product is suitable for Halal diets
Packaging:	25Kg net HDPE jerrican with tamper-evident cap
Storage:	Store away from light in a cool dry warehouse, tightly capped.
Coding:	Best Before DD/MM/YYYY plus sequential batch code
Shelf Life:	12 months from date of packing

Doc Ref: 0181	Approved By: S.L.	Version No. 6
Reason for Change: Parameter extension	Date: 06/12/2018	