

INEOS Nitriles

Acrylonitrile MHQ

Specification for Acrylonitrile (MHQ):	Test	Specification	Test method *	Procedure
	Acrylonitrile	min. 99,4 % by wt.	3002-0501803-96D	calculation
	MHQ (methylhydroquinone)	35 - 45 mg/kg	3002-0600502-02D	UV method
	pH	6.0 - 7.5	3002-0302001-95D	ASTM-E 70-77
	APHA colour value	max. 5	3002-0600902-99D	DIN 53995 + ASTM-D1209
	Hydrocyanic acid	max. 5 mg/kg	3002-0301803-99D	potentiometric titration
	Sum of aldehydes	max. 20 mg/kg	3002-0203004-99D	GC-method
	(acetaldehyde, acrolein and propionaldehyde)	calculated as acetaldehyde		
	Acrolein	max. 5 mg/kg	3002-0203004-99D	GC-method
	Acetone	max. 50 mg/kg	3002-0203004-99D	GC-method
	Acetonitrile	max. 100 mg/kg	3002-0203004-99D	GC-method
	Methyl vinyl ketone	max. 10 mg/kg	3002-0203004-99D	GC-method
	Propionitrile	max. 30 mg/kg	3002-0203004-99D	GC-method
	Oxazole	max. 30 mg/kg	3002-0400603-00D	HPLC method
	Methacrylonitrile	max. 300 mg/kg	3002-0203004-99D	GC-method
	Peroxides (calculated as H ₂ O ₂)	max. 0,2 mg/kg	3002-0602702-98D	UV method
	Water	0.3 - 0.45 % by wt.	3002-0300101-95D	Karl-Fischer titration