

# Vitamin K3 MSB 96%

## Technical Data Sheet

VITAMIN K3 MSB 96%(MENADIONE SODIUM BISULFITE)

White to yellowish, free flowing micro-granulate from menadione nicotinamide bisulfite Trihydrate (MSBC, C<sub>11</sub>H<sub>9</sub>NaO<sub>5</sub>S\*nH<sub>2</sub>O, CAS No 130-37-0)

Parameter	Unit	Value	Remarks
Content menadione bisulfite bisulfite	%	min 96.0	Methods of analysis:UV/HPLC
Content menadione	%	min 50.0	Methods of analysis:UV spectroscopy at 250nm after alkaline hydrolysis by comparison with menadione standard/HPLC
Content Water	%	max 12.5	Methods of analysis: Karl fischer
Bulk density	g/cm <sup>3</sup>	max 0.80	/
Particle size <425um	um	max420	US standard mesh sieve no.40
Content butanol	mg/kg	max 200	Methods of analysis: GC
Content heavy metals (Pb)	mg/kg	max 20.0	Methods of analysis: AAS or ICP
Content heavy metals (Cr)	mg/kg	max 50	Methods of analysis: AAS or ICP
Content heavy metals (As)	mg/kg	max 2.0	Methods of analysis: AAS or ICP
Content dioxins (PCDD/PCDF)	pg/kg	max 500	TE-WHO method of analysis: HR-GC
Shelf life	months	24	

Remark:Agree with the specification of Q/75662983-7.1-2018