





## Product specification - K2VITAL® 0.2% DELTA Powder

USP compliant to MK-7 preparation monograph

Test	Specification	Method
<b>Mercury (Hg)*</b>	≤0.05 µg/g	ICP-MS/ICP-OES
<b>Arsenic (As)*</b>	≤0.5 µg/g	ICP-MS/ICP-OES
<b>Total aerobic microbial count (TAMC)</b>	<10 <sup>3</sup> cfu/g	USP/Ph.Eur.
<b>Total yeasts and mould (TYMC)</b>	<10 <sup>2</sup> cfu/g	USP/Ph.Eur.
<b>E. coli</b>	Absent in 10 g	USP/ Ph. Eur.
<b>Staphylococcus aureus</b>	Absent in 10 g	USP/ Ph. Eur.
<b>Salmonella sp.</b>	Absent in 25 g	ISO6579
<b>Pseudomonas aeruginosa</b>	Absent in 10 g	USP/Ph.Eur.
<b>Enterobacteria</b>	≤100 cfu/g	Petrifilm
<b>Residual solvents**</b>	<0.5%	Headspace GC-FID/ Ph.Eur.
<b>Sum 2CE/EtO*</b>	Expressed as ethylene oxide <0.010 mg/kg	(GC-MS/MS)

\* Confirmation based on random sampling

\*\* Based on testing of active ingredient MK-7. No solvents are used in the production of K2VITAL® 0.2% DELTA Powder product

### Additional note

The test methods may vary from the USP monograph methods.

### Disclaimer

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### Change log

Version	Description of changes	Date/ initials
11	EB specification revised to harmonize spec across Balchem portfolio (MOC-REQ-827)	24.04.2025/MSU