

CERTIFICATE OF ANALYSIS

Product:

TOP SPOT ON STRONGER 16.25 g, solution for application – spot-on for horseBatch No.: **78 57 25 A**Expiry: **10.07.2020**Date of production: **11.07.2018**

Results of analysis:

Tests	Release limits	Shelf-life limits	Results
Appearance	Yellowish clear liquid.		conforms
Solution volume - nominal - usable	min. 25 ml at least 25 ml		25 ml
Density	1.05 – 1.1 g/ml		1.09 g/ml
Permethrin identity	Must be proved (HPLC).		conforms
Permethrin content	617.5 – 682.5 mg/ml	656.3008 mg/ml	663.2 mg/ml
Impurities - individual unspecified impurity - sum of impurities	max. 1.0 % max. 2.5 %		conforms 1.5 %
Butylparabene identity	Must be proved (HPLC).		conforms
Butylparabene content	0.95 – 1.05 mg/ml	0.9801 mg/ml	0.98 mg/ml
Butylhydroxyanisole identity	Must be proved (HPLC).		conforms
Butylhydroxyanisole content	0.18 – 0.22 mg/ml	0.1816 mg/ml	0.19 mg/ml
Butylhydroxytoluene identity	Must be proved (HPLC).		conforms
Butylhydroxytoluene content	0.09 – 0.11 mg/ml	0.1074 mg/ml	0.10 mg/ml
Microbiological quality	Must comply. TAMC (CFU/ml): 10^2 TYMC (CFU/ml): 10^1 Absence of Staphylococcus aureus in 1 ml Absence of Pseudomonas aeruginosa in 1 ml		<10 CFU/ml <10 CFU/ml absent absent

I certify that this product has been tested in the laboratories of Bioveta a.s. and has been found to meet specification requirements. Preparation is suitable with control regulations of the valid PN No. 377.



Mgr. Hana Nezvalová
HEAD of QC, QP

11/01/2019