



Certificate of Analysis

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Name of Product:	Norovit ADE Plus Injekcio A.U.V. [Alpha Vet Hungary]			
Batch Number	Quantity	Manufacture Date	Expiry Date	Packaging
5095-600E	1,008	February 2015	August 2016	100ml Amber Glass Vial
Active Ingredients:	• Vitamin A Palmitate (15,000 iu/ml)	• Vitamin D3 (25 µg/ml)	• Vitamin E Acetate (20 mg/ml)	• d-Panthenol (25 mg/ml)
	• Vitamin B1 (10 mg/ml)	• Nicotinamide (35 mg/ml)		
	• Vitamin B2 (5 mg/ml)			
	• Vitamin B6 (3 mg/ml)			
	• Vitamin B12 (25 µg/ml)			

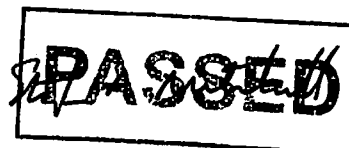
Analytical	Results	Specifications
Appearance	Conforms	A clear, orange liquid.
Identification	Confirmed	Confirmed by HPLC.
Volume of Fill	102% (102ml)	100 to 108% of nominal fill.
pH	4.5	4.0 to 5.0.
Sterility	Conforms	Meets the BP test requirements.
Assay:		
• Vitamin A Palmitate	14,638 iu/ml	• 14,175 to 17,325 iu/ml.
• Vitamin B1 (Thiamine Hydrochloride)	1.06 %w/v	• 0.99 to 1.21 %w/v.
• Vitamin B2 (Riboflavin Sodium Phosphate)	0.53 %w/v	• 0.47 to 0.55 %w/v.
• Vitamin B6 (Pyridoxine Hydrochloride)	0.31 %w/v	• 0.28 to 0.33 %w/v.
• Vitamin B12 (Cyanocobalamin)	0.0061 %w/v	• 0.0056 to 0.0068 %w/v.
• Vitamin D3 (Cholecalciferol)	0.0031 %w/v	• 0.0027 to 0.0033 %w/v.
• Vitamin E Acetate	1.9 %w/v	• 1.9 to 2.2 %w/v.
• D-Panthenol	2.61 %w/v	• 2.37 to 2.75 %w/v.
• Nicotinamide	3.74 %w/v	• 3.32 to 4.04 %w/v.
Preservatives:		
• Chlorocresol	0.092 %w/v	• 0.090 to 0.110 %w/v.
• Butyl Hydroxyanisole	0.0110 %w/v	• 0.0080 to 0.0125 %w/v.
• Butyl Hydroxytoluene	0.0123 %w/v	• 0.0080 to 0.0125 %w/v.

I hereby certify that the above information is authentic and accurate in so far that the specification information is available to us and we confirm that our scientific findings are true. This batch of product has been fabricated/manufactured, including packaging and quality control at the above mentioned site (Manufacturing Authorisation Number: ManA 2000) in full compliance with GMP requirements and in accordance with the specification provided to us. The batch processing, packaging and analysis records were reviewed and found to be in compliance with GMP.

Prepared By:
Date of Issue:
Goods Invoice Number:

Claire Teague
16-April-2015

APPROVED FOR THE HEAD OF QUALITY CONTROL



Mr Stephen Mitchell B.Sc.
Director of Technical Compliance
Qualified Person