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Certificate of analysis

Date: 28/07/2017

Material

12166595 NUTREN SENIOR VANILLE

Inspection lot 44000814650

Batch : 71960810B1

Manufacture date : 15.07.2017

Expiry date : 15.07.2018

Chemical and physical specification					
Characteristics	Unit	Upper limit	Lower limit	Result	Interpretation
pH		7,20	6,50	6.86	conform
DRY MATTER / TOTAL SOLIDS	g/100ml	32,2	31,0	31.44	conform
CHLORIDE	mg/100mL	240	160	193	conform
CALCIUM (CA)	mg/100mL	288	192	247	conform
COPPER (CU)	mg/100mL	0,35	0,16	0.22	conform
IRON (FE)	mg/100mL	2,04	1,36	1.80	conform
POTASSIUM (K)	mg/100mL	360	240	308	conform
MAGNESIUM (MG)	mg/100mL	36,0	24,0	28.2	conform
MANGANESE (MN)	mg/100mL	0,45	0,21	0.30	conform
SODIUM (NA)	mg/100mL	96,0	64,0	70.8	conform
PHOSPHORUS (P)	mg/100mL	161	92	114	conform
ZINC (ZN)	mg/100mL	2,76	1,84	2.20	conform
VITAMIN B2 (RIBOFLAVIN)	mg/100mL	0,57	0,30	0.48	conform
VITAMIN C (ASCORBIC ACID)	mg/100mL	24,8	13,2	21.9	conform

Stability and sterility tests	
ATP-BIOLUMINESCENCE * INC 5D 55°C	Conform
pH INC 5D 55°C	Conform
ATP-BIOLUMINESCENCE * INC 10D 30°C	Conform
pH INC 10D 30°C	Conform

* ATP-BIOLUMINESCENCE: ALTERNATIVE
METHOD FOR TPC

Result of annual monitoring plan				
The plan contaminant results were made on batch 50980810A2				
Characteristics	Unit	Upper limit	Result	Interpretation
Aflatoxin M1	µg/kg	0.5	<0.0025	Conform
Arsenic	mg/kg	0.04	<0.005	Conform
Lead	mg/kg	0.02	<0.0014	Conform
Mercury	mg/kg	0.01	<0.002	Conform
Cadmium	mg/kg	0.02	0,0022	Conform

This production complies with product and process specifications.

Complete lot released
Document validated by computer by quality department
28/07/2017

End

ROUA KASSEM
Quality Manager