Inter-laboratory Quality Control Material Data Sheet

QC Material ID: 12618-QC-PR12613

Product Type: Mixed Pasture Haylage/Baleage

Issue Date: 18 February 2026

Expiry Date: 31 May 2027

Test Name	Methods	n Value	Assigned Value	Assigned Range
Aluminium (mg/kg)	All Total Extraction Methods	18	437	312 - 561
Arsenic (mg/kg)	All Total Extraction Methods	4	0.0875	0.0833 - 0.0917
Boron (mg/kg)	All Total Extraction Methods	16	9.83	9.15 - 10.51
Cadmium (µg/kg)	All Total Extraction Methods	8	65.7	63.6 - 67.7
Calcium (%w/w)	All Total Extraction Methods	23	0.747	0.667 - 0.827
Carbon (%w/w)	All Total Extraction Methods	17	44.2	43.3 - 45.1
Chloride (mg/kg)	All Total Extraction Methods	15	10,300	9114 - 11486
Chromium (mg/kg)	All Total Extraction Methods	7	1.95	1.25 - 2.65
Cobalt (µg/kg)	All Total Extraction Methods	9	237	231 - 243
Copper (mg/kg)	All Total Extraction Methods	20	6.12	5.36 - 6.88
Iron (mg/kg)	All Total Extraction Methods	22	335	265 - 404
Lead (µg/kg)	All Total Extraction Methods	9	164	145 - 183
Magnesium (%w/w)	All Total Extraction Methods	19	0.197	0.182 - 0.212
Manganese (mg/kg)	All Total Extraction Methods	16	147	136 - 157
Molybdenum (µg/kg)	All Total Extraction Methods	11	584	534 - 634
Nitrate Nitrogen (mg/kg)	All Total Extraction Methods	11	30.0	22.0 - 38.0

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Nitrogen (%w/w)	All Total Extraction Methods	20	2.00	1.88 - 2.11
Phosphorus (%w/w)	All Total Extraction Methods	21	0.313	0.292 - 0.334
Potassium (%w/w)	All Total Extraction Methods	22	2.10	1.88 - 2.32
Selenium (µg/kg)	All Total Extraction Methods	8	37.8	31.6 - 44.0
Sodium (mg/kg)	All Total Extraction Methods	21	2,660	2334 - 2986
Sulphur (%w/w)	All Total Extraction Methods	21	0.230	0.191 - 0.269
Vanadium (mg/kg)	All Total Extraction Methods	6	0.820	0.635 - 1.005
Zinc (mg/kg)	All Total Extraction Methods	19	21.4	19.3 - 23.5

** n Values < 8 are indicative only and should be used with caution*

Instructions for use: Due to possible moisture reabsorption, re-dry the sample at 65°C to constant weight prior to analysis

Description: 20g+ irradiated, packaged in plastic jar

Homogeneity: This QC material has been assessed as homogeneous for use in an Inter-Laboratory Proficiency Study

Stability: An expiry period consistent with the shelf life of the product, experience, and technical advice has been applied

Storage: Keep samples at a stable temperature < 25°C (eg in air conditioned storage). Reseal containers after each use. Do not store in sunlight.

Values: The *Assigned Value* is the consensus median from an inter-laboratory proficiency round excluding outliers; *n Values* are the number of results used to calculate the assigned value. The *Assigned Range* is 2 standard deviations of *n Values*.

Methods: Multiple methods were used in the preparation of these assigned values.

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