Inter-laboratory Quality Control Material Data Sheet

QC Material ID: 13846-QC-PR10409

Product Type: Phosphate Rock

Issue Date: 4 September 2023

Expiry Date: 5 April 2027

Test Name	n Values	Assigned Value	Assigned Range
Cadmium (mg/kg)	12	25.34	21.15 - 29.53
Calcium (g/100g)	8	24.74	22.35 - 27.13
Citric Acid Soluble P (g/100g)	7 *	2.45	2.11 - 2.79
Fluoride (%)	6 *	1.62	1.32 - 1.92
Formic Acid Soluble P (g/100g)	3 *	3.01	2.68 - 3.35
Lead (mg/kg)	8	20.73	14.60 - 26.86
Mercury (mg/kg)	5 *	0.12	0.10 - 0.15
Moisture (g/100g)	9	0.97	0.68 - 1.27
Total Phosphorus (g/100g)	11	14.12	13.61 - 14.63

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

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

Values: The *Assigned Value* is the consensus mean 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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Version 2