

Nevada Organic Phosphate Provides Update on Multi-Nutrient Chemistry for Organic Phosphate and Regenerative Agriculture

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Vancouver, February 10, 2026 - [Nevada Organic Phosphate Inc.](#) (CSE: NOP) (OTCQB: NOPFF) ("NOP" or the "Company"), a B.C. based leader in organic sedimentary phosphate exploration, is pleased to announce continued progress in the interpretation of assay results from the first six drill holes within the Upper Phosphatic Zone ("UPZ") at Murdock Mountain. The weighted average grade of 10.93% P₂O₅ is now supported by a growing body of geochemical evidence showing that the material is not simply a phosphate ore, but a naturally balanced, multi-nutrient mineral fertilizer and soil conditioner aligned with the needs of organic and regenerative agriculture.

Ongoing analysis indicates meaningful concentrations of calcium, magnesium, potassium, iron, manganese, silicon, and trace micronutrients, all occurring in forms compatible with organic production systems. This creates a slow-release nutrient profile that supports soil health, microbial activity, and long-term fertility, key attributes for growers seeking alternatives to synthetic fertilizers.

"These assay results continue to validate the strategic importance of Murdock Mountain," said CEO Robin Dow. "We are defining a uniquely clean and naturally balanced phosphate system at a time when growers, distributors, and regulators are all demanding lower-risk nutrient sources. The chemistry we are seeing, with low impurities, meaningful co-nutrients, and slow-release phosphorus, aligns directly with the needs of organic and regenerative agriculture."

Clean Chemistry: Ultra-Low Contaminants and Regulatory Strength

The UPZ continues to demonstrate an exceptionally clean geochemical signature. Heavy metals including cadmium, arsenic, lead, and chromium occur at levels far below AAPFCO and USDA organic thresholds, and the absence of radionuclide concerns further differentiates NOP from many global sedimentary and igneous phosphate sources.

This low-impurity profile reduces certification risk for organic growers and provides a defensible regulatory advantage as global contaminant limits tighten. In a market where many phosphate products struggle with cadmium and other regulated impurities, NOP's chemistry stands out as inherently compliant and low-risk.

"As global contaminant limits tighten, clean phosphate sources are becoming increasingly scarce," said Director Garry Smith P.Ge. "NOP's low cadmium, low arsenic, and low radionuclide signature reduces regulatory friction for growers and positions the Company to compete in premium fertilizer markets where compliance and purity matter."

NOP believes its UPZ material will align directly with a Premium, Low-Risk, Multi-Benefit Input. Its combination of clean phosphorus, high natural calcium, and beneficial co-nutrients positions it as a premium, low-risk input capable of differentiating NOP from phosphate suppliers whose products often require dilution or mitigation to meet organic standards.

Naturally Occurring Co-Nutrients That Enhance Soil Health

The UPZ contains a suite of nutrients at concentrations high enough to deliver measurable agronomic benefit, strengthening NOP's positioning as a multi-nutrient, soil-health-positive phosphate.

Primary Beneficial Nutrients

Nutrient	Assay Level	Agronomic Role	Value to Organic Agriculture
Calcium (CaO)	28.96%	pH buffering, root strength, soil structure	Major co-benefit in acidic soils
Magnesium (MgO)	1.83%	Chlorophyll formation, enzyme activation	Supports plant vigor and photosynthesis
Silicon (SiO ₂)	36.54%	Stress tolerance, disease suppression	Increasingly recognized in organic systems
Iron (Fe ₂ O ₃)	1.23%	Chlorophyll formation, microbial activity	Enhances soil biology and plant health
Zinc (Zn)	233 ppm	Enzyme activation, root development	Common deficiency in acidic soils
Manganese (Mn)	90 ppm	Photosynthesis, disease resistance	Beneficial in weathered soils
Molybdenum (Mo)	8 ppm	Nitrogen fixation, nitrate reduction	Critical for legumes and soil nitrification
Sulfur (S)	0.5%	Helps build proteins, enzymes, or chlorophyll precursors. Helps microbial mineralization	

Secondary Beneficial Nutrients

Nutrient	Assay Level	Agronomic Role
Copper (Cu)	40 ppm	Supports photosynthesis and disease resistance
Cobalt (Co)	2.2 ppm	Required by nitrogen-fixing bacteria
Strontium (Sr)	618 ppm	Benign; often associated with improved Ca uptake

These elements occur at supportive levels and contribute to soil biological function, especially in organic systems.

Clean Chemistry Advantage

Element	NOP (sedimentary)	Heavy Metals (ppm)			
		USA (sedimentary)	Brazil + Peru (sedimentary)	Spain (sedimentary)	Kola (igneous)
As	8.8	5-20	3-15	5-20	
Cd	2.99	5-30	1-20	5-25	
Cr	392	50-300	50-250	50-300	100-500
Cu	39.9	5-50	5-40	5-40	5-30
Hg	0.201				
Ni	78.6	10-100	10-80	10-100	20-150
Pb	4.5	5-30	5-25	5-25	
Zn	233	20-150	20-120	20-150	10-80

NOP's sedimentary phosphate maintains low levels of regulatory-sensitive elements (As, Cd, Pb, Hg), supporting a "clean chemistry" narrative aligned with organic certification expectations.

Global Benchmarking: NOP Consistently Plots at the Clean End of Global Ranges

NOP's major oxide, heavy metal, and trace element chemistry consistently falls within, and often below, global sedimentary phosphate ranges. This includes:

- Low cadmium relative to U.S., South American, and European sedimentary deposits
- Low arsenic and lead compared to many commercial sources
- Significantly lower uranium than most sedimentary phosphates
- No red-flag elements or anomalies

These characteristics strengthen NOP's position as a strategically attractive source for premium fertilizer markets.

Major Oxides %

Element	NOP (sedimentary)	USA (sedimentary)	Brazil + Peru (sedimentary)	Spain (sedimentary)	Kola (igneous)
Al ₂ O ₃	3.43	1-3	1-3	1-3	<1
CaO	28.96	40-50	40-50	38-48	48-55
Fe ₂ O ₃	1.23	1-3	1-3	1-3	2-4
K ₂ O	1.22				
MgO	1.83	0.3-1.5	0.3-1.5	0.3-1.5	1-3
MnO	0.02	trace	trace	trace	trace
Na ₂ O	0.3	0.2-0.6	0.2-0.6	0.2-0.6	1-3
P ₂ O ₅	10.93	24-32	28-34	24-30	35-39
SiO ₂	36.54	5-20	5-20	5-20	2-10
TiO ₂	0.2	0.1-0.4	0.1-0.4	0.1-0.4	0.2-0.6
LOI	0.2	3-8	3-8	3-8	

Incidental Liming Benefit: NOP's sedimentary phosphate contains ~29% CaO, equivalent to roughly 52% CaCO₃;

While NOP does not market the product as a liming material, this naturally occurring calcium provides growers with added agronomic value by helping moderate soil acidity and improve nutrient availability. Importantly, the material contains negligible magnesium and is not dolomitic under agronomic or regulatory definitions.

This dual-benefit profile of clean phosphorus + natural calcium, further differentiates NOP from conventional phosphate sources without triggering liming material regulatory requirements.

Critical & Strategic Elements (ppm)

Element	NOP (sedimentary)	USA (sedimentary)	Brazil + Peru (sedimentary)	Spain (sedimentary)	Kola (igneous)
La	101.5	20-150	30-200	20-150	200-800
Ce	39.9	40-200	50-250	40-200	300-1000
Y	137.1	50-200	50-250	50-200	200-600
Th	3.52	2-20	2-20	2-20	20-80
U	19.6	50-150	40-120	40-120	10-80

NOP's U content is dramatically lower than most sedimentary deposits.

Selected Elements (ppm)

Element	NOP (sedimentary)	USA (sedimentary)	Brazil + Peru (sedimentary)	Spain (sedimentary)	Kola (igneous)
Ba	314	100-500	100-400	100-500	50-200
Co	2.2	1-10	1-10	1-10	2-15
Li	10.9	5-20	5-20	5-20	5-30
Mn	90	50-300	50-300	50-300	100-500
Mo	8.06	1-10	1-10	1-10	1-5
Rb	33.1	5-40	5-40	5-40	
Sr	618	300-1500	300-1500	300-1500	500-2000
V	94	20-150	20-150	20-150	50-200
Zr	8.9	5-50	5-50	5-50	50-200

NOP shows no anomalies or red-flag elements, fully aligned with global norms.

Other Elements (ppm)

Element	NOP (sedimentary)	USA (sedimentary)	Brazil + Peru (sedimentary)	Spain (sedimentary)	Kola (igneous)
Be	0.9				
Cs	1.59				
Ga	4.54	2-10	2-10	2-10	5-20
Ge	0.18				
Hf	0.2				1-3
In	0.017				
Li	10.9	5-20	5-20	5-20	5-30
Nb	2.1	1-10	1-10	1-10	10-50
Sb	0.93				
Sc	4.5	2-10	2-10	2-10	10-30
Se	12	1-10	1-10	1-10	
Sn	0.5				
Ta	0.07				1-5
Tl	0.62				
W	0.5				

Source of regional geochemical ranges: IFDC (2010); IFDC Technical Bulletins; USGS Open-File Reports and Professional Papers (USA, Brazil, Peru, Spain, Kola); IAEA TECDOC-1360 (2003); FAO/IAEA fertilizer contaminant reports; IGME Spain geological bulletins; DNPM/CPRM Brazil and INGEMMET Peru phosphate deposit reports; Russian Academy of Sciences publications on the Khibiny and Lovozero apatite-nepheline deposits; European Commission JRC technical reports.

In Summary, NOP's 11% P₂O₅ UPZ material is emerging as a clean, multi-nutrient, soil-health-positive phosphate with:

- A naturally balanced suite of macro- and micronutrients
- Ultra-low contaminants and radionuclides
- Strong alignment with organic and regenerative agriculture
- A defensible regulatory and market advantage
- A chemical profile that differentiates NOP from global phosphate suppliers

"The Upper Phosphatic Zone is demonstrating a remarkably consistent geochemical signature across the first six drill holes," added Director Garry Smith, P.Ge. "Calcium, magnesium, silicon, iron, zinc, manganese, and molybdenum all occur at agronomically relevant levels, and the impurity profile remains exceptionally low. This is not a single-nutrient ore body - it is a multi-nutrient mineral input with a clean chemistry advantage that is increasingly rare in global phosphate deposits."

NOP's "Major Oxides" assays shown above are weighted averages and believed to be representative of the Upper Phosphatic Zone (UPZ) intercepted in the first 6 drill holes. All other assays are weighted averages from UPZ intercepts from the first 3 drill holes.

Drill hole Location Coordinates (WGS 84)

DDH	Pad	UTME	UTMN	Elev m	TD m	Dip	Az deg
MM25-1	P4	724404	4568973	1949	82.60	-90	0
MM25-2	P3	724767	4569272	1896	125.73	-90	0
MM25-3	P7	724344	4568766	1987	71.32	-90	0
MM25-4	P8	724100	4568690	2018	99.67	-90	0
MM25-5	P8	724100	4568690	2018	92.96	-65	120
MM25-6	P9	723830	4568439	2018	78.30	-90	0

Interpretations presented in this news release are based on the first six drill holes, they are preliminary in nature and may not be representative of results from future drilling.

The interpretive technical information in this news release has been reviewed and approved by Garry K

Smith, P.Geo., a Director and Qualified Person, as defined in "National Instrument 43-101, Standards of Disclosure for Mineral Projects.

The drilling and assay results from the drilling program so far completed have been approved by Independent Qualified Person: Kenneth Tullar, B.Sc. Geol. Eng., P. Geo., AIPG Certified Professional Geologist (CPG-11142), an independent, qualified person ("QP") as defined by NI 43-101. Mr. Tullar was responsible for overseeing all phases of the drilling program, including logging, labelling, bagging and transport from the project to ALS Laboratory Services (ALS) in Elko, Nevada. Major Oxides including Phosphate (P₂O₅) assaying was by ME-XRF24 whole-rock analysis: Samples were fused with lithium borate and analyzed by X-ray fluorescence (XRF). All other assays, including Heavy metal assaying, was by ME-MS61 trace element analysis: Samples were digested using a near-total four-acid procedure (HNO₃, HClO₄, HF and HCl) and analyzed by ICP-MS and ICP-AES. Quality assurance quality control ("QA/QC") consisted of certified reference materials (standards) and blanks inserted on site along with duplicates, standards and blanks inserted by ALS. The assay results summarized above have been carefully reviewed with reference to the QA/QC results. Standard sample chain of custody procedures were used during drilling and sampling campaigns until delivery to the analytical facility.

Nevada Organic Phosphate Inc. (CSE: NOP) (OTCQB: NOPFF)

NOP is a junior exploration company with an organic sedimentary raw rock phosphate bed, 6.6 kilometres long, in northeast Nevada. Additional applications extend the potential strike of rock phosphate to over 30 kilometres. This is believed to be the only known large-scale organic sedimentary phosphate project in North America. It is situated close to the main highway to Montello/Elko, Nevada, and near the rail head to California.

For More Information

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