Crystal Data: Monoclinic. *Point Group*: *m*. As equant (pseudocubic) crystals displaying {100}, {001}, {010}, {00$\bar{1}$}, {110}, {1$\bar{1}$0}, {101}, {10$\bar{1}$}, {011}, {01$\bar{1}$}, {11$\bar{1}$}, {1$\bar{1}\bar{1}$}, {111}, and {1$\bar{1}$1} to 0.15 mm or as bladed crystals to 0.5 mm composed of imperfect domains either partially decomposed or pseudomorphs after an unknown earlier phase.

Physical Properties: *Cleavage*: None. *Tenacity*: Brittle. *Fracture*: Conchoidal. Hardness = 2.5
D(meas.) = n.d. D(calc.) = 5.297 Dissolves slowly in HCl.

Optical Properties: Translucent. *Color*: Colorless to brown. *Streak*: White.
Luster: Vitreous to greasy.
Optical Class: Biaxial (-). a = 1.790(5) $b \approx$ 1.820 $c \approx$ 1.823 2V(meas.) = 35(1)°
Orientation: $Z = b$. Non-pleochroic.

Cell Data: *Space Group: Ia*. a = 18.3471(7) b = 17.3057(4) c = 18.6698(8) β = 91.872(3)° Z = 16

X-Ray Diffraction Pattern: Burro mine, Slick Rock district, San Miguel Co., Colorado, USA.
6.34 (100), 3.595 (37), 3.302 (36), 2.997 (35), 3.172 (29), 2.755 (29), 2.922 (28)

Chemistry:

	(1)	(2)
PbO	81.43	77.98
N_2O_5	18.51	18.87
H_2O	[3.14]	3.15
Total	103.08	100.00

(1) Burro mine, Slick Rock district, San Miguel Co., Colorado, USA, average electron microprobe analysis, H_2O from structure; corresponds to $Pb_{4.18}(OH)_4(N_{0.98}O_3)_4$. (2) $Pb_4(OH)_4(NO_3)$.

Occurrence: Underground in a secondary efflorescent assemblage on asphaltite and montroseite- and corvusite-bearing sandstone in a Colorado Plateau-type, roll-front, uranium deposit.

Association: Baryte, chalcomenite, volborthite, asphaltite, montroseite, corvusite.

Distribution: From the Burro mine, Slick Rock district, San Miguel Co., Colorado, USA.

Name: For its chemical composition, a basic nitrate (*nitro*) of lead (*plumb*um).

Type Material: The Natural History Museum of Los Angeles County, Los Angeles, California, USA (76147 holotype and 76148 cotype).

References: (1) Kampf, A.R., J.M. Hughes, B.P. Nash, and J. Marty (2022) Nitroplumbite, $[Pb_4(OH)_4](NO_3)_4$, a new mineral with cubane-like $[Pb_4(OH)_4]^{4+}$ clusters from the Burro Mine, San Miguel County, Colorado, USA. Can. Mineral., 60, 1-9.