Crystal Data: Triclinic. *Point Group*: 1. As crusts of very fine-grained crystalline aggregates of chaotic mats or sprays of minute (<0.01 mm) lath-like crystals, often displaying frayed terminations.

Physical Properties: Cleavage: n.d. *Tenacity*: n.d. *Fracture*: n.d. Hardness = n.d. D(meas.) = n.d. D(calc.) = n.d.

Optical Properties: Translucent. *Color*: Lilac pink. *Streak*: n.d. *Luster*: Earthy. *Optical Class*: n.d.

Cell Data: Space Group: P1. a = 5.724(2) b = 6.5304(9) c = 14.646(4) $a = 81.682(1)^{\circ}$ $\beta = 83.712(2)^{\circ}$ $\gamma = 86.365(2)^{\circ}$ Z = 2

X-ray Powder Pattern: Adeghoual mine, Mibladen, Midelt region, Morocco. 6.222 (100), 3.227 (87), 2.589 (64), 6.454 (63), 2.883 (58), 2.648 (47), 7.208 (45)

Chemistry:		(1)	(2)
	Al ₂ O ₃	5.01	
	SO_3	0.18	
	CaO	12.14	13.87
	MgO	0.21	
	PbO	1.88	
	Cr_2O_3	31.48	37.60
	CO_2	[22.00]	21.78
	H ₂ O	[27.08]	26.74
	Total	99.98	100.00

(1) Adeghoual mine, Mibladen, Midelt region, Morocco; average electron microprobe and Raman spectroscopic analyses, H_2O and CO_2 calculated from stoichiometry; corresponds to $Ca_{0.84}Pb_{0.03}Cr_{1.65}Al_{0.39}Mg_{0.02}(CO_3)_2(OH)_4\cdot 4H_2O$. (2) $CaCr_2(CO_3)_2(OH)_4\cdot 4H_2O$.

Mineral Group: Dundasite (dresserite) group.

Occurrence: A low-temperature secondary phase in a limestone-hosted, stratiform, Pb-Ba (galena-baryte) deposit.

Association: Cerussite, galena, wulfenite, baryte, pyromorphite.

Distribution: From the Adeghoual mine, northern outskirts of Mibladen, Midelt region, Morocco.

Name: Honors Australian geologist Ben *Grguric* (b. 1971), who reported the potentially equivalent 'Ca-petterdite analogue' from Happy Jack mine in 2006 and has published on secondary minerals and Australian topographic mineralogy.

Type Material: Natural History Museum, Cromwell Road, London, England (BM2019,5).

References: (1) Rumsey, M.S., M.D. Welch, J. Spratt, and A.K. Kleppe (2020) Grguricite, CaCr₂(CO₃)₂(OH)₄•4H₂O, a new alumohydrocalcite analogue. Mineral. Mag., 84, 778-784.