Crystal Data: Monoclinic. *Point Group*: 2/*m*. As zones to ~1 mm^2 in prismatic crystals to 0.7 cm, intergrown with Hingganite-(Y).

Physical Properties: Cleavage: None. *Tenacity*: Brittle. *Fracture*: Conchoidal. Hardness = 5.5-6 VHN = 638-746, 685 average (100 g load). D(meas.) = n.d. D(calc.) = 4.690 Nonfluorescent.

Optical Properties: Transparent. *Color*: Dark greenish brown. *Streak*: White. *Luster*: Vitreous. *Optical Class*: Biaxial (+). α = 1.746(5) β = 1.766(5) γ = 1.792(6) 2V(meas.) = 80(7)° 2V(calc.) = 84° Non-pleochroic.

Cell Data: *Space Group*: $P2_1/c$. a = 4.7719(1) b = 7.6422(2) c = 9.9299(2) β = 89.851(2)° Z = 2

X-ray Powder Pattern: Zagi Mt., near Kafoor Dheri, Khyber Pakhtunkhwa, Pakistan.
4.773 (100), 6.105 (95), 2.573 (89), 2.864 (87), 3.122 (68), 3.028 (61), 3.462 (58)

Chemistry:

	(1)		(1)
BeO	9.64	Gd_2O_3	5.15
CaO	0.45	Tb_2O_3	0.50
MnO	0.10	Dy_2O_3	2.50
FeO	3.03	Ho_2O_3	0.33
B_2O_3	0.42	Er_2O_3	0.84
Y_2O_3	8.75	Tm_2O_3	0.10
La_2O_3	1.63	Yb_2O_3	0.44
Ce_2O_3	12.89	Lu_2O_3	0.04
Pr_2O_3	3.09	ThO_2	0.13
Nd_2O_3	16.90	SiO_2	23.55
Sm_2O_3	5.97	H_2O	2.72
Eu_2O_3	1.08	Total	100.25

(1) Zagi Mt., near Kafoor Dheri, Khyber Pakhtunkhwa, Pakistan; average electron microprobe, IR and Raman spectroscopic analyses, BeO, B_2O_3, and Lu_2O_3 by LA-ICP-MS; H_2O calculated by stoichiometry; corresponds to $(Nd_{0.513}Ce_{0.401}Y_{0.395}Sm_{0.175}Gd_{0.145}Pr_{0.096}Dy_{0.068}La_{0.051}Ca_{0.041}Eu_{0.031}Er_{0.022}Tb_{0.014}Yb_{0.011}Ho_{0.009}Tm_{0.003}Th_{0.003}Lu_{0.001})_{\Sigma=1.979}(\square_{0.778}Fe^{2+}_{0.215}Mn_{0.007})_{\Sigma=1.000}(Be_{1.967}B_{0.062})_{\Sigma=2.029}Si_2O_{8.46}(OH)_{1.54}$. (2) $Nd_2\square Be_2Si_2O_8(OH)_2$ requires BeO 9.54, Nd_2O_3 64.13, SiO_2 22.90, and H_2O 3.43, Total 100.

Mineral Group: Gadolinite supergroup, gadolinite group.

Occurrence: In weathered alluvium from gneissic alkaline A-type granite.

Association: Hingganite-(Y), aegirine, microcline, fergusonite-(Y), zircon.

Distribution: From Zagi Mountain, near Kafoor Dheri, ~4 km south of Warsak and 30 km northwest of Peshawar, Khyber Pakhtunkhwa Province, Pakistan.

Name: The suffix indicates an analogue of *hingganite*-(Y), *hingganite*-(Yb), and *hingganite*-(Ce), but with Nd dominant among the rare earth elements.

Type Material: A.E. Fersman Mineralogical Museum, Russian Academy of Sciences, Moscow, Russia (5370/1; 96591).

References: (1) Kasatkin, A.V., F. Nestola, R. Škoda, N.V. Chukanov, A.A. Agakhanov, D.I. Belakovskiy, A. Lanza, M. Holá, and M.S. Rumsey (2020) Hingganite-(Nd), $Nd_2\square Be_2Si_2O_8(OH)_2$, a new gadolinite-supergroup mineral from Zagi Mountain, Pakistan. Can. Mineral., 58, 549-562.