Crystal Data: Monoclinic. *Point Group*: 2/*m*. As radial sprays of thin lath-like crystals to 200 μm.

Physical Properties: *Cleavage*: Perfect on {001}. *Tenacity*: Brittle. *Fracture*: Uneven. Hardness = n.d. D(calc.) = 2.73 Nonfluorescent.

Optical Properties: Transparent. *Color*: Turquoise. *Streak*: Pale blue-green. *Luster*: Vitreous. *Optical Class*: Biaxial. *n*(calc.) = 1.584. *Pleochroism*: Distinct.

Cell Data: *Space Group: P*2_1/*c*. a = 5.6062(8) b = 6.129(1) c = 23.834(3) β = 95.29(1)° Z = 2

X-Ray Diffraction Pattern: Casualidad mine, near Baños de Alhamilla, Almeria, Spain.
11.936 (100), 5.920 (31), 2.659 (12), 4.845 (11), 3.933 (11), 2.964 (10), 2.775 (9)

Chemistry:

	(1)	(2)
MgO	5.31	5.92
MnO	0.49	
CuO	33.12	46.74
ZnO	11.48	
SO_3	26.01	23.52
H_2O	[24.63]	23.82
Total	101.04	100.00

(1) Casualidad mine, near Baños de Alhamilla, Almeria, Spain; average electron microprobe analysis, H_2O calculated; corresponds to $Mg_{0.87}Cu_{2.74}Zn_{0.93}Mn_{0.05}S_{2.14}O_8(OH)_6 \cdot 6H_2O$.
(2) $MgCu_4(SO_4)_2(OH)_6 \cdot 6H_2O$.

Mineral Group: Ktenasite group.

Occurrence: Secondary oxidation product in tetrahedrite veinlets.

Association: Clinoatacamite, kapellasite, gordaite, serpierite, connellite, gypsum.

Distribution: At the Casualidad mine, near Baños de Alhamilla, Almeria, Spain.

Name: Honors Karl Thomas *Fehr* (1954-2014), Professor of Mineralogy, Department of Geo- and Environmental Sciences, Ludwig-Maximilians-University, Munich, Germany.

Type Material: Mineralogical Museum, Centrum für Naturkunde, University Hamburg (MM1544 holotype) and the Mineralogische Staatssammlung, Munich, Germany (MSM36473 cotype).

References: (1) Schlüter, J., T. Malcherek, B. Mihailova, C. Rewitzer, R. Hochleitner, D. Müller, and A. Günther (2021) Fehrite, $MgCu_4(SO_4)_2(OH)_6 \cdot 6H_2O$, the magnesium analogue of ktenasite from the Casualidad mine near Baños de Alhamilla, Almeria, Spain. Neues Jahrb. Mineral., Abh., 197, 1-10.