Caesiumpharmacosiderite  \( \text{CsFe}_4[(\text{AsO}_4)_3(\text{OH})_4] \cdot 4\text{H}_2\text{O} \)

Crystal Data: Cubic.  \( \text{Point Group: } \bar{4} \text{ 3}m \).

Physical Properties:

Optical Properties:

Cell Data: \( \text{Space Group: } P\bar{4} \text{ 3}m \).  \( a = 7.9637(11) \)  \( Z = 1 \)

X-ray Powder Pattern: Wendy pit, Tambo mine, Elqui Province, Coquimbo Region, Chile.
8.04 (100), 3.270 (40), 2.831 (31), 4.627 (33), 2.531 (22), 2.415 (22), 4.009 (17)

Chemistry:

Mineral Group: Pharmacosiderite group.

Occurrence: Secondary in the oxidation zone of an ore deposit.

Association:

Distribution: From Wendy pit, Tambo mine, Elqui Province, Coquimbo Region, Chile [TL] and Puna Plateau, Tuzgle volcano, Susques Department, Jujuy, Argentina.

Name: Identifies a cesium-dominant member of the pharmacosiderite group.

Type Material: Natural History Museum of Los Angeles County, Los Angeles, California, USA, (63205) and Museum Victoria, Melbourne, Victoria, Australia (M52762 and M52763).