Strontiopharmacosiderite $Sr_{0.5}Fe_4[(AsO4)_3(OH)_4]\cdot 4H_2O$

Crystal Data: Tetragonal. *Point Group*: $\bar{4}$ 2*m*.

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

Optical Properties: *Color*: *Streak*: *Luster*:
Optical Class:

Cell Data: *Space Group*: $P\bar{4}$ 2*m*. a = 8.084(27) c = 8.151(5) Z = 1

X-ray Powder Pattern: La Plâtrière quarry, Granges, Wallis, Switzerland.
2.7765 (100), 4.1468 (60), 3.7255 (36), 2.1336 (32), 1.7686 (24), 1.5992 (22), 3.2012 (21)

Chemistry:

Polymorphism & Series:

Mineral Group: Pharmacosiderite group, pharmacosiderite supergroup.

Occurrence:

Association:

Distribution: From La Plâtrière quarry, Granges, Wallis, Switzerland [TL].

Name: Indicates the strontium analog of pharmacosiderite.

Type Material: Museum Victoria, Melbourne, Australia (M52282) and the Type Collection, Natural History Museum, London, England (BM 2013,150).

References: (1) Williams, P.A., F. Hatert, M. Pasero, and S.J. Mills (2014) IMA Commission on new minerals, nomenclature and classification (CNMNC) Newsletter 19. New minerals and nomenclature modifications approved in 2014. Mineral. Mag., 78, 166.