

# Certificate of Authenticity

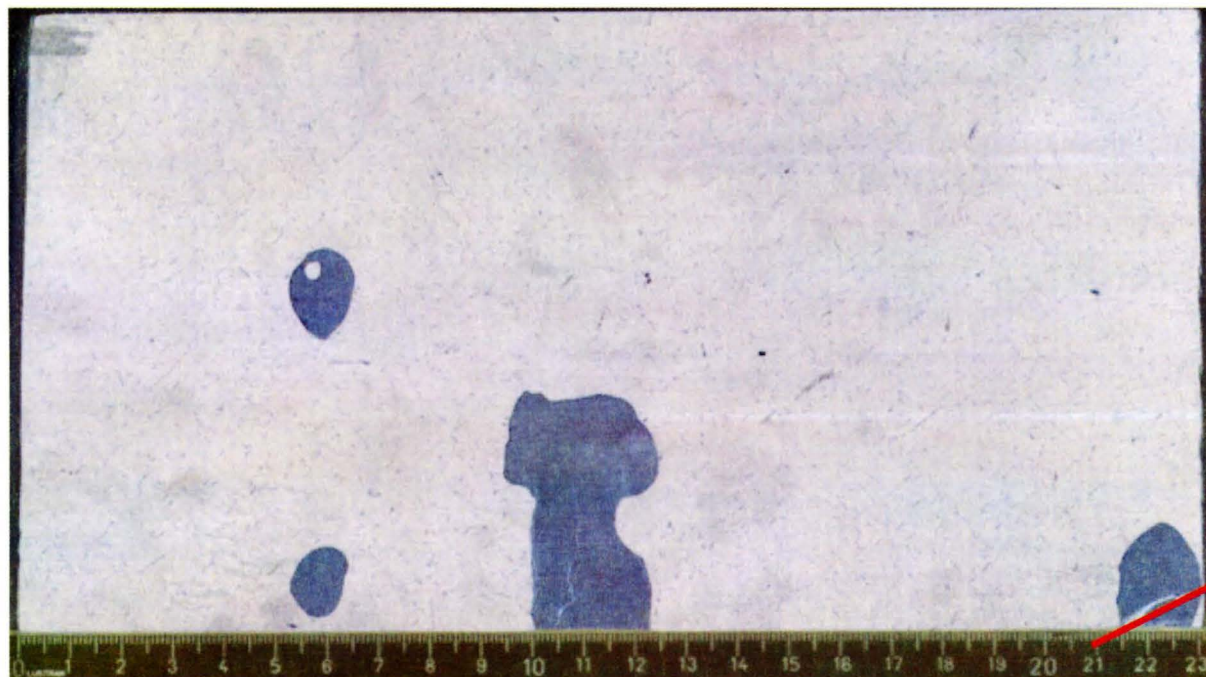
## Iron Meteorite CAPE YORK (AGPALILIK)

**Meteorite Name:** Cape York (Agpalilik)  
**State/District:** West Greenland  
**Country:** Greenland  
**Co-ordinates:** 76°4'N, 64°58' W (Agpalilik)  
**Date of find:** 1818 (1963, Agpalilik)  
**Total known weight:** 58'200 kg, approx. (15'000 kg, Agpalilik)  
**Classification/Type:** Iron, IIIA, Om (1.2 mm), contains large troilite inclusions  
**Chemical Analysis:** 7.84% Ni, 0.50% Co, 0.15% P, 0.02% C, 1.3% S, 19 ppm Ga, 36 ppm Ge, 5 ppm Ir  
**Pairings:** Thule?  
**Synonyms:** Agpalilik, Ahnighito, Akpohon, Anighito, Baffin's Bay, Davis Strait, Dog, Melville, Melville Bay, North Star Bay, Northumberland Island, Ross's Iron, Savik, Saviksue, Sowellick Mountains, Swallik, Woman

### Description and references:

Knives of iron with bone handles were given to Capt. John Ross in 1818 by the Esquimos of Prince Regent's Bay, John Ross, Voyage of Discovery in Baffin's Bay, London, 1819, p.102-118. Three large masses, weighing respectively about 59 tons, 3 tons, and 896lb and named "The Tent" or Ahnighito, "The Woman," and "The Dog", were shown to Lieut. R.E.Peary, by whom they were later transported to New York, R.E.Peary, Northward over the Great Ice, London, 1898, 2, p.145, 553, 600, M.H.Hey, Cat. Met., 1966, p.87. (...) The Ni content varies in different parts of the masses, 7.34 to 7.86% Ni, V.M.Goldschmidt, Proc. Roy. Inst. Gt. Britain, 1929, 26, p.73, V.M.Goldschmidt, Die Naturwiss., 1930, 18, p.999 (M.A.5-7), M.H.Hey [loc. cit.]. Another mass of 3.5 tons was found by Esquimos on a small peninsula called Savik in the Prince Regent Bay; it was removed to Copenhagen, Univ. Min. Geol. Mus., in 1925; description, O.B.Boggild, Meddel. Gronland, 1927, 74, p.11 (M.A.3-535). The mass of 48kg found in 1955 and reported, F.C.Leonard, Meteoritics, 1965, 1, p.305 (M.A.13-82), as a new mass of Cape York is a distinct fall named Thule, V.F.Buchwald, GCA, 1961, 25, p.95. Three further masses have been reported, one of 7.8kg found at Saveqarfik in 1961 (Savik II) and one of about 15 tons found in 1963 at Agpalilik, V.F.Buchwald, GCA, 1964, 28, p.125. The third mass of 250g was found on Northumberland Island, 77°30'N, 71°W, but is believed to be a transported fragment from the Melville Bay area, V.F.Buchwald, Nature's Verden, 1964, p.33, M.H.Hey [loc. cit.]. (...) Analysis, 7.58% Ni, 19.2 ppm Ga, 36.0 ppm Ge, 5.0 ppm Ir, E.R.D.Scott et al., GCA, 1973, 37, p.1957. Minor and trace element distribution in elongated troilite inclusions, K.P.Jochum et al., Meteoritics, 1975, 10, p.419 (abs.). Comprehensive history, description, oriented troilite, artificial cold working, V.F.Buchwald, Handbook of Iron Meteorites, Univ. of California, 1975, p.410. (...)

I herewith confirm, that the below photographed iron sample is an original part of the iron meteorite "CAPE YORK (AGPALILIK)", found in Greenland.



**Picture:** Partial slice Cape York (Agpalilik) with large troilite inclusions, polished and unetched on front side, flat cut on back side. The little triangle below the red line is missing. Weight of sample: 845.4 g Dimensions: 230 x 120 x 4 mm.

  
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