

# Certificate of Authenticity

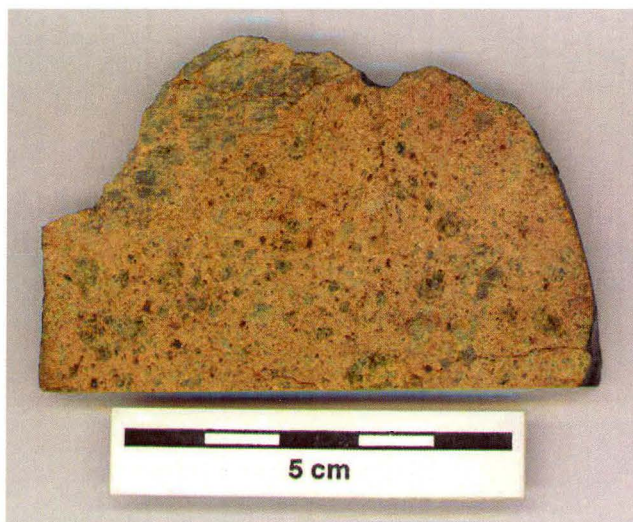
## Meteorite NORTHWEST AFRICA 4034, Sahara

**Meteorite Name:** Northwest Africa 4034 (NWA 4034)  
**State/District:** Near Hogare, south of Algeria (?)  
**Country:** Probably Algeria, Sahara  
**Co-ordinates:** Unknown  
**Date of find:** 2004, January  
**Total known weight:** 1'513 g  
**Classification/Type:** Stone, ADIO  
Achondrite, diogenite, brecciated, mod. degree of shock, moderately to strongly weathered  
**Mineral Analysis:** Plagioclase, Orthopyroxene, Fs25.2 Wo3.3, plagioclase, An81.3-83  
**Pairings:** Not known  
**Synonyms:** Not known

### Description and references:

A single stone of 1513 g partly covered with fusion crust was found 2005 by an anonymous finder in the Occidental Sahara. Classification and mineralogy (A. Greshake): dominated by large blocky orthopyroxenes; locally these crystals are brecciated into smaller grains; minor phases include Mg-Al-Cr-spinel and plagioclase; orthopyroxene, Fs25.2 Wo3.3, plagioclase, An81.3-83; moderate degree of shock; moderately to strongly weathered. Main mass with jnmczurich, P.O.Box 615, CH-8052 Zurich, Switzerland; type specimen 24.5 g plus one polished thin section MNB. Ref.: Meteoritical Bulletin No. 90 (2006)

I herewith confirm, that the below photographed rock sample is an original part of the diogenite meteorite "NORTHWEST AFRICA 4034", probably found in Algeria.



Pictures: NWA 4034 mass and polished partial slice with large pyroxene crystal of about 41 x 13 mm  
Weight of sample: 50.08 g  
Dimensions: 74 x 47 x 6 mm

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