



Dar al Gani 400
Hammadah al Hamra, Libya



Photo of the meteorite in the desert.



Photo of sample for sale from

<http://www.volny.cz/sv-meteorites/MarsMoonHed/Moon%20Meteorites.htm>

from The Meteoritical Bulletin, No. 82

Dar al Gani 400

27°22.17'N 16°11.93'E

Libya

Found 1998 March 10

Lunar meteorite (anorthositic breccia)

A 1.425 kg stone was found in Dar al Gani in the Libyan Sahara. Classification and description (J. Zipfel, MPI): the meteorite is partly covered with a brownish fusion crust; fresh surfaces are gray to dark gray; matrix is well consolidated; clasts include subophitic and fine-grained to microporphyritic impact-melt breccias, granulitic fragments, intergranularly recrystallized anorthosites, and mineral fragments; chemical and O isotope composition is characteristic of lunar highland meteorites (Zipfel et al., 1998b); abundances and composition of noble gases do not suggest a pairing with DaG 262 (Scherer et al., 1998b). For further details, see Zipfel et al. (1998b). Type specimen and two polished sections are with the MPI; main mass with finder.

References:

Zipfel J., Spettel B., Palme H., Wolf D., Franchi I., Sexton A. S., Pillinger C. T., and Bischoff A. (1998) Dar al Gani 400: Chemistry and petrology of the largest lunar meteorite. *Meteorit. Planet. Sci.* **33**, A171.

Bukovanska M., Dobosi G., Brandstätter F., and Kurat G. (1999) Dar al Gani 400: Petrology and geochemistry of some major lithologies. *Meteorit. Planet. Sci.* **34**, A21.

See also:

<http://www.labenne-meteorites.com/moon.htm>

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