Certificate of Authenticity

Meteorite L'AIGLE, France

Meteorite Name:	**L'Aigle**
State/District:	Department Orne
Country:	France
Co-ordinates:	48°46'N, 0°38'E
Date of fall:	1803, April 26 (13.00 hrs)
Total known weight:	37 kg (approx.)
Classification/Type:	Stone, L6 chondrite, d, brecciated ordinary chondrite
Mineral Analysis:	Olivine Fa23.0, Pyroxene Fs20.5, Total iron: 22.79% Plagioclase: An10.2, Ab83.2, Or5.6 Orthpyroxene: En78.0, Fs20.5, Wo1.4 Clinopyroxene: En45.5, Fs6.8, Wo45.5
Pairings:	Not known
Synonyms:	Aigla, Aigle, Ober-Pfalz, Waldau

Description and references:

After the appearance of a fireball, followed by detonations, a shower of stones, estimated at 2000-3000 in number and of aggregate weight of about 37 kg, the largest weighing about 9 kg, fell within an area of 6 x 2.5 miles. The detailed report of the phenomena first established beyond doubt the fact of the fall of stones from outer space, J.B.Biot, Mém. Inst. France, 1806, 7 (Histoire), p.224; J.B.Biot, Ann. Phys., 1804, 16, p.44 Description, H.Pfahler, Tschermaks Min. Petr. Mitt., 1892, 13, p.362. Analysis, E.H.von Baumhauer, Arch. Néerland. Sci. Nat. Haarlem, 1872, 7, p.154, M.H.Hey, Cat. Met., 1966, p.258. Modal analysis, G.Dörfler and H.G.Hiesböck, Meteorite Research, ed. P.M.Millman, D.Reidel, Dordrecht-Holland, 1969, p.669. Ni and Ir contents, O.Müller et al., GCA, 1971, 35, p.1121. Al-26 data, I.R.Cameron and Z.Top, GCA, 1975, 39, p.1705. Shock classification, R.T.Dodd and E.Jarosewich, Meteorites, 1981, 16, p.93. Boron Data, M.Zhai and D.M.Shaw, Meteoritics, 1994, 29, p.607. Bulk density and porosity, M.Terho et al., Studia Geophysica et Geodaedica, 1993, 37, p.65; see also, D.T.Britt and G.J.Consolmagno, MAPS, 2003, 38, p.1161; S.L.Wilison and M.S.Robinson, MAPS, 2000, 35, p.1203. Cosmic-ray exposure ages, B.Lavielle and E.Gilabert, MAPS, 2002, 37, (Suppl.), p.A130 (abs.). Magnetic susceptibility, P.Rochette et al., MAPS, 2003, 38, p.251.

I herewith confirm, that the below photographed rock sample is an original part of the L6 chondrite "**L'AIGLE**", fallen in France.

Pictures: Polished end section of L'Aigle. Weight of sample: 52.1 g. Dimensions: 42 x 31 x 21 mm

Jürgen Nauber
(Member of *the Meteoritical Society* since 1986)

Jürgen Nauber / jnmczurich
P. O. Box 615
CH-8052 Zurich-Seebach
Switzerland
Ph./Fax: +41-44-302-8638