Commission on New Minerals and Mineral Names,  
International Mineralogical Association

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The information given here is provided by the Commission on New Minerals and Mineral Names, I. M. A. for comparative purposes and as a service to mineralogists working on new species.

Each mineral is described in the following format:

IMA No.
Chemical Formula (any relationship to other minerals; structure analysis)
Crystal system, space group
unit cell parameters
Colour; lustre; diaphaneity
Optical properties
Strongest lines in the X-ray powder diffraction pattern

The names of these approved species are considered confidential information until the authors have published their descriptions or released information themselves.

No other information will be released by the Commission

1999 Proposals

IMA No. 99-002
(Mg, Mn$^{2+}$)$_2$(Sb$_{0.3}$Mn$^{3+}_{0.7}$)O$_4$
Related to the spinel group

Trigonal: $R \bar{3}$ or $R3$
$a 16.196, c 14.948 \text{\AA}$

Dark red; sub-adamantine; translucent
In reflected light: grey, internal reflections orange-red, anisotropy weak. R: 10.4% (470 nm), 10.0% (546 nm), 9.9% (589 nm), 9.8% (650 nm)

4.24(28), 3.052(33), 2.608(100), 2.162(28),
1.665(30), 1.527(39)

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