

14296

PHYSICAL CHARACTERISTICS

Mass

2.26 g

Dimensions

3 x 1.2 x 0.5 cm

Sample 14296 is a light gray, angular, flat, polymict breccia chip.

SURFACE FEATURES

Pits ranging from 0.1 - 1.0 mm are lined with dark brown glass. The depth to width ratios of the larger pits is 1:2. These deep pits resemble hemispheres. There are no fractures.

PETROGRAPHIC DESCRIPTION

Sample 14296 is a moderately coherent, medium grained, polymict breccia. It is texturally but not mineralogically homogeneous. It is composed of 10 -20% clasts larger than 1 mm and 80 - 90% matrix grains. Clasts are all leucocratic rock fragments of three types:

- 1) Feldspar-rich sub-rounded rock fragment of a finely crystalline equigranular rock. It contains a trace of light brown pyroxene and some small (< 0.1 mm) opaques.
- 2) Very finely crystalline, mafic clasts which are subangular, dark gray, and measure up to 3 mm long. They may be rich in feldspar.
- 3) Coarser crystalline varieties of the second type with crystals up to 0.4 mm in length.

The matrix contains 60 - 65% feldspar, 30% pyroxene, and 1% opaques in sizes less than 0.05 mm.



Width of image is approximately 3.5 cm, S-71-26678