

14297

PHYSICAL CHARACTERISTICS

Mass

1.73 g

Dimensions

2.0 x 2.5 x 1.0 cm

Sample 14297 is a polymict breccia with an unusual clast mineralogy.

SURFACE FEATURES

No zap pits are present and all surfaces appear to be fresh fracture surfaces. One planar fracture is present. There are neither vugs nor vesicles, but one or two clast molds occur on the surface.

PETROGRAPHIC DESCRIPTION

Sample 14297 is a polymict breccia composed of 15% clasts larger than 1 mm and 85% matrix. The clasts are mostly melanocratic and leucocratic rock fragments and some glassy rock fragments. One type of lithic clast is a mixture of white and yellow minerals in equal proportions and one garnet-like pyroxene crystal. A second type is medium gray and cryptocrystalline. A third type is a mixture of feldspar and a gray mineral phase. Clasts of angular, medium to dark gray glass have a large variance in size and degree of devitrification. These glass clasts are 1 - 2% of the sample. Matrix grains appear to be feldspathic but not highly recrystallized. It is light gray, very fine grained (average < 100 μm), and contains specks of gray to black glass.



Width of image is approximately 2.5 cm, S-71-26684