

14295

PHYSICAL CHARACTERISTICS

Mass

1.24 g

Dimensions

1.2 x 1.2 x 1.0 cm

Sample 14295 is a fine grained, polymict breccia with 5% clasts larger than 1 mm and 95% matrix grains smaller than 1 mm in size.

SURFACE FEATURES

Pits ranging from 0.1 to 0.8 mm in size are lined with black glass. They occur over 20% of the rock surface. There are no fractures, but 80% of the rock are fresh fracture surfaces.

PETROGRAPHIC DESCRIPTION

Sample 14295 is a coherent, fine grained, polymict breccia with an average grain size of less than 0.1 mm. It is composed of 5% fragments larger than 1 mm and 95% matrix grains. One percent of the clasts are feldspar fragments. The rest are lithic clasts of two main types. Both are mesocratic. The first type consists of dark gray glassy or lithic fragments which are set in a light colored clast matrix primarily composed of plagioclase with some pyroxene. The second lithic clast type are blocky, angular light-colored feldspathic fragments with traces of pyroxene and a crystalline texture. The rock matrix is fine grained with many lithic fragments of the second type and many areas of feldspar and pyroxene concentration. A vein of matrix material occurs in a type two lithic clast. The sample appears to be similar to 14321.



Width of image is approximately 1.5 cm, S-71-26676