

14294

Weigh bag 1038 was used to hold rocks and fragments from station H, EVA-2. The largest samples are numbered 14312 - 14320 and the residue is 14290-14297. Samples 14294 - 14297 are the largest fragments of the residue.

PHYSICAL CHARACTERISTICS

Mass

3.43 g

Dimensions

2.5 x 1.5 x 1.5 cm

Sample 14294 is a breccia with one rounded side and one angular side. It is grayish brown on the rounded surface and light to medium gray on the fresh surface.

SURFACE FEATURES

Pits ranging from 0.1 to 1.0 mm in size are glass lined. There are eight pits per square centimeter on the rounded surface. The angular side is a fresh fracture surface. Several spalls are parallel to this surface. A thin patina of dust appears to be welded to the rounded surface by a very thin layer of glass.

PETROGRAPHIC DESCRIPTION

Sample 14294 is medium grained, with an average grain size of 0.5 mm. It is texturally and mineralogically homogeneous. Ten percent of the rock is clasts larger than 1 mm and the rest is matrix grains. Clasts are leucocratic lithic fragments consisting of 80% white to colorless mineral. The clasts are equigranular. The matrix consists of 40% black unresolvable material in grains less than 0.1 mm in size, 50% feldspar in grains 0.2 to 1 mm, and leucocratic lithic fragments. Traces of pyroxene occur in the matrix. A thin vein of black glass which is 0.2 mm wide and 6 mm long forms a dendritic pattern.



Width of image is approximately 3 cm, S-71-26670