

14200

PHYSICAL CHARACTERISTICS

Mass

1.24 g

Dimensions

2.0x 1.2 x 0.9 cm

Sample 14200 is a fragment of very fine grained basaltic crystalline rock.

SURFACE FEATURES

One 0.8 mm size glass-lined pit was noted. The sample has an irregular surface and appears to be a fragment of a larger rock.

Clusters of elliptical vesicles with sizes ranging from less than 0.1 mm to 2.0 mm occur on the rock. These occupy 10% of the rock volume and are 1 - 3 mm apart. Colorless minerals (probably feldspar) with a sub-botryoidal surface line these vesicles.

PETROGRAPHIC DESCRIPTION

Sample 14200 is fine grained with an average grain size of less than 0.1 mm. There are less than 1% possible phenocrysts. It is a texturally and mineralogically homogeneous, holocrystalline, basaltic fragment. As can best be

determined, the rock is composed of three minerals: clear, subhedral, yellow-green olivine (in groundmass and as phenocrysts < 0.5 mm in size), clear, subhedral pyroxene (occurring only in the groundmass in grains < 0.5 mm), and clear, subhedral feldspar (occurring in cavities, in the groundmass, and as 1 mm size phenocrysts). Glassy feldspar accounts for at least 40% of the rock.



Width of image is approximately 2.5 cm, S-71-26324