

10031

Sample 10031 is an angular to subangular, medium dark grey, medium-grained basalt. This sample originally weighed 3gm, and measured 2 X 1.5 X 0.5 cm. Sample was returned in the Contingency Sample Container.

BINOCULAR DESCRIPTION BY: Twedell DATE: 1-16-76

ROCK TYPE: Vesicular basalt SAMPLE: 10031,0 WEIGHT: 1.70 gm

COLOR: Medium dark grey DIMENSIONS: 1.9 x 1.2 x 1 cm

SHAPE: Angular to Sub-angular

COHERENCE: Intergranular – tough
Fracturing – absent

FABRIC/TEXTURE: Isotropic equigranular

VARIABILITY: Homogeneous.

SURFACE: All surfaces are rough.

ZAP PITS: Absent

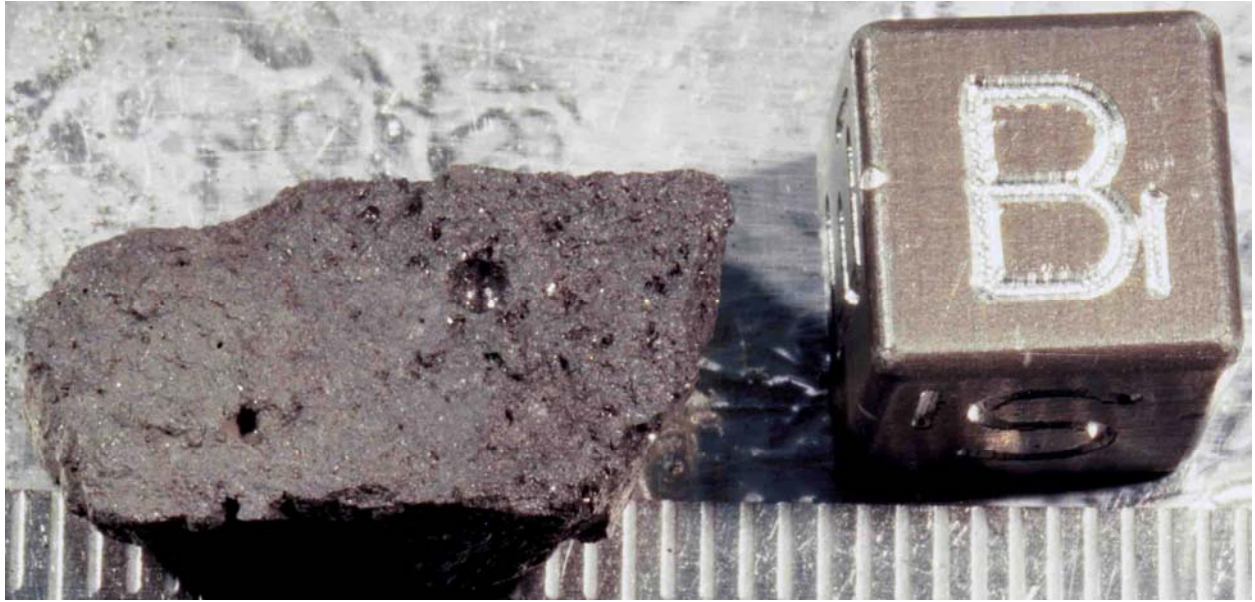
CAVITIES: 5% of surface as vesicles and vugs. Average size is <1mm. Largest vesicle is 2mm.

COMPONENT	COLOR	% OF ROCK	SHAPE	SIZE (MM)	
				DOM.	RANGE
Pyroxene	Dk. Brown	60	Subhedral	.1	<. 5
Plagioclase	White	20	Blocky	.1	<. 5
Opaque	Black	15	Platy	.05	<. 2

COMMENTS: Four phases were noted by Harmon (PET). 1) Light green equigranular mineral, evenly distributed throughout the fines. 2) A highly reflective phase that appeared to be glass. 3) The groundmass material which appeared to be dust similar to the contingency sample; and 4) Amber mineral phase, generally equigranular. These phases were mineral phase, generally equigranular. These phases were mineral phase, generally equigranular. These phases were taken from the fines with 10031,0 and not the rock itself.

THIN SECTION DESCRIPTION

There was no Thin Section made for generic 10031 at the onset of re-examination. The only sample of generic (1.70gm) was judged too small for a thin section allocation.



10031,0 S-76-21144



10031,0 (S-76-21144)

HISTORY AND PRESENT STATUS OF SAMPLES – 6/30/76

10031 was removed from the Contingency Container and examined in PCTL. No splits were ever made from the rock. It was re-examined in SSPL.

PRISTINE SAMPLES (ALL PCTL-SSPL)

0 1.70 gm Piece with no pitted surfaces.

NO RETURNED SAMPLES:

NO CHEMICAL ANALYSES