

Measurement of 5° Absolute Reflectance of Aluminum Flat Mirror

INTRODUCTION

The characteristics of aluminum flat mirror include its high reflectance from the visible region to near-infrared region and small angular dependence. Aluminum flat mirror is sometime used as the reference material when determining the relative specular reflectance of an optical material.

This time, the absolute specular reflectance of an aluminum flat mirror at the irradiation angle of 5 degrees was analyzed by using the 5° degree specular reflectance accessory.

SAMPLE

Sample : Aluminum flat mirror

INSTRUMENT CONDITIONS

Instrument : U-4100 spectrophotometer (solid sample measurement system)

Measurement wavelength region : 240 - 2600 nm

Sampling interval : 1 nm

[UV/VIS]

Scan speed : 300 nm/min

Slit : 8 nm

[NIR]

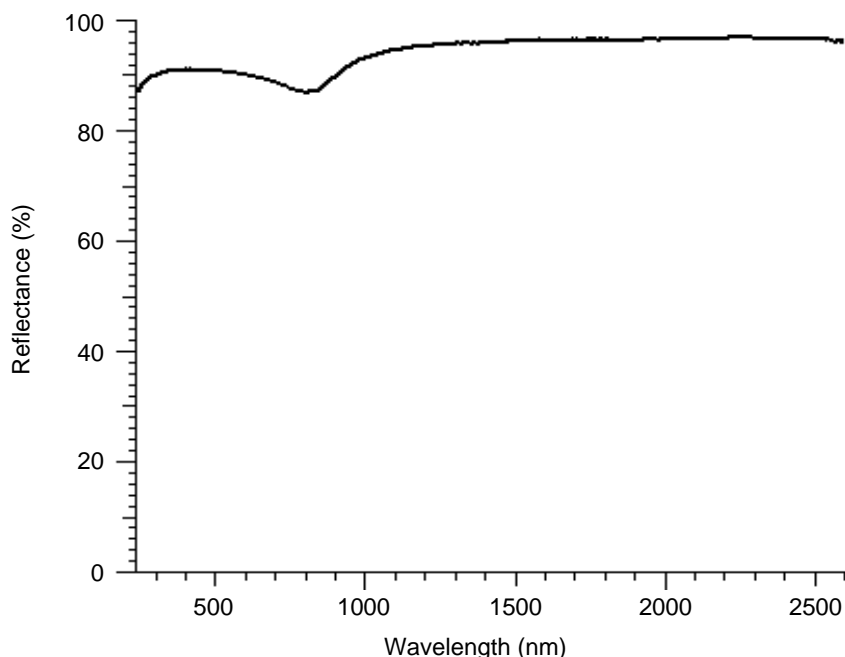
Scan speed : 750 nm/min

Slit : Automatic control

PbS sensitivity : 2

OTHER NECESSARIES

5° specular reflectance accessory
(P/N : 134-0102)



KEY WORDS

Material/Processing Material Related,
Other Material/Processing Material Related, Reflectance Spectrum,
Absolute Reflectance, Reference Material, Aluminum Flat Mirror,
Spectrophotometer, 5° Specular Reflectance Accessory,
Refractive Reflectance, U-4100

Spectrophotometer (UV)

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