

LABSOLUTE® ADHESION MICROSCOPE SLIDES MADE FROM PURE WHITE SODA-LIME GLASS

LABSOLUTE® microscope slides made from pure white soda-lime glass comply with DIN ISO 8037-1 and 8037-2. They come with CE mark and are manufactured in compliance with the 98/79 EC (IVD) Directive.

Microscope slides with 90° corners, ground edges and frosted area have a size of 76x26 mm and a thickness of about 1 mm. They come with positively charged or silanized surface in packs of 72 pieces.



Your advantages

- ✓ No auto fluorescence
- ✓ Faster flatness and better sticking of the samples on the slides
- ✓ Expiry date and LOT number on every packing
- ✓ Simple labelling of the frosted area with a soft pencil
- ✓ Insignificant amount of iron oxide (0.015 %)

Glass composition

Substance	Chemical formula	LABSOLUTE® w/w, %
Silicium dioxide	SiO ₂	72.87
Boric oxide	B ₂ O ₃	13.64
Sodium oxide	Na ₂ O	1.51
Calcium oxide	CaO	6.44
Magnesium oxide	MgO	3.68
Aluminium oxide	Al ₂ O ₃	1.27
Iron oxide	Fe ₂ O ₃	0.015
Sulfur trioxide	SO ₃	0.15

There should be no green cast, because of the very low content of iron oxide (only 0,015 %). Also LABSOLUTE® adhesive microscope slides are ideal for fluorescence microscopy because of no auto fluorescence

Physical data

Description	LABSOLUTE®
Refractive index (n_E , 546.07 nm)	1.5145
Thermal coefficient of expansion (20-300 °C)	$9.03 \cdot 10^{-6} \text{K}^{-1}$
Optical transmission	2.4336 g/cm^3
Specific heat	743 °C

Spectral transmittance is from 200 – 700 nm. There was no auto fluorescence at excited specified wavelength.

Chemical properties

- ✓ Hydrolytic resistance according to ISO 719 (98 °C): 3rd hydrolytic class
- ✓ Acid resistance according to DIN 12116: Class S2
- ✓ Alkali resistance according to DIN ISO 695: Class A2

Labelling



The boxes of the LABSOLUTE® microscope slides and the outer boxes are labelled. All pictograms are printed on all labels, as well as LOT number and expiry date.

Th. Geyer GmbH & Co. KG

Product overview

Item no.	Surface	Corners	Frosted area	Pieces per pack
7 695 019	(+) charged	90°	Yes	72
7 695 021	Silanized	90°	Yes	72

We recommend some test samples in case of complex application problems to be 100 % sure whether LABSOLUTE[®] adhesion microscope slides are suitable for your application or not. Please ask your local Th. Geyer sales representative for assistance.