



CHECKING PHOTOMETRIC ACCURACY

LIQUID FILTER NIACIN

Niacin liquid filter – 213 nm and 261 nm

PRODUCT DESCRIPTION

Niacin (nicotinic acid) in hydrochloric acid is highly suitable for checking the photometric accuracy of spectrometers. The Niacin spectrum shows in the UV range two characteristic peaks at 213 nm and 261 nm. The Niacin filter solutions are filled and immediately fused under controlled conditions to become permanently airtight.

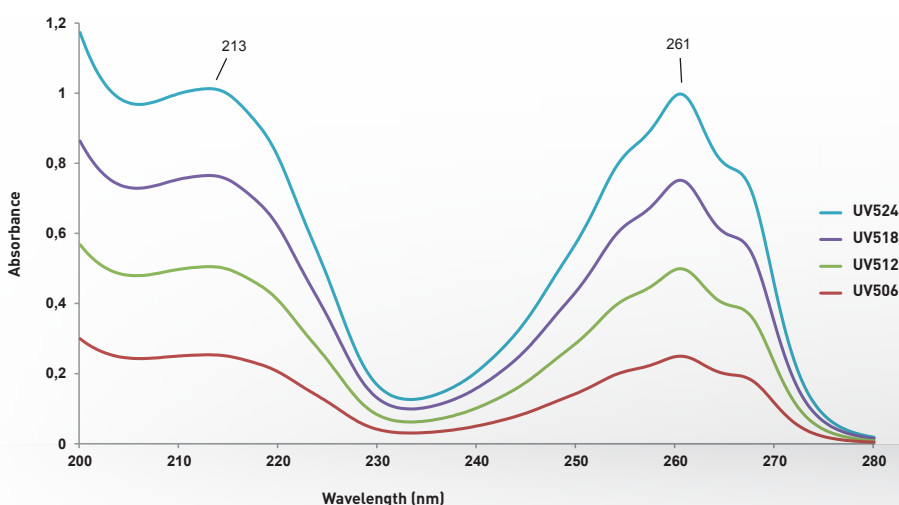
APPLICATION

The Niacin liquid filters are used for checking the photometric accuracy (absorbance) and the photometric linearity in the UV-range, according to the requirements of the European Pharmacopoeia (EP 10) and the United States Pharmacopoeia (USP 857).

PLEASE NOTE

The individually measured absorbance values are free from any systematic errors. The measured data of the reference filter UV599 (hydrochloric acid measured against air) appears separately on the DAkKS calibration certificate.

To check photometric linearity, perform the measurement with Niacin filters of different concentrations. List the measured absorbance values for each filter and each wavelength in a diagram against the values on the DAkKS calibration certificate.



Typical scanlines of Niacin liquid filter UV506 – UV524



ARTICLE-NO. / CONTENT	667506 (UV506), 6 mg/L Niacin in HCl (0.25 A) 667512 (UV512), 12 mg/L Niacin in HCl (0.5 A) 667518 (UV518), 18 mg/L Niacin in HCl (0.75 A) 667524 (UV524), 24 mg/L Niacin in HCl (1.0 A) 667536 (UV536), 36 mg/L Niacin in HCl (1.5 A) 667548 (UV548), 48 mg/L Niacin in HCl (2.0 A) 667599 (UV599), Hydrochloric acid (reference filter) 667350 (UV350), Filter-Set includes 6, 12, 18, 24 mg/L Niacin and reference filter 667S501 (S501), Filter-Set includes 6, 12, 24 mg/L Niacin and reference filter
APPLICATION	To check the photometric accuracy and photometric linearity in UV-range (213 nm and 261 nm) according to EP 10 and USP 857
STANDARD CERTIFICATION	Wavelength: 213 nm and 261 nm Slit width: 1 nm; with DAkKS calibration certificate

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