

## EOSIN METHYLENE BLUE, ACCORDING TO MAY-GRÜNWARD

EO0055 Eosin methylene blue, according to May-Grünwald

- CAS [68988-92-1]
- EINECS-No.: 273-541-5
- Solub. in water: (20 °C): slightly soluble
- LD 50 (oral, rat): 1180 mg/kg (toxic component)
- Tariff number: 3204 19 00 90
- Applications: microscopy, colouring agent.

Absorption maximum  $\lambda_1$  ..... 645 - 651 nm  
 Absorption maximum  $\lambda_2$  ..... 520 - 525 nm  
 Absorptivity (A1%/1 cm;  $\lambda_1$  max; in methanol, 0,0005 %, on dried sample) ..... 1100 - 1350  
 Absorptivity (A1%/1 cm;  $\lambda_2$  max; in methanol; 0,0005 %, on dried sample) ..... 600 - 800  
 related substances (TLC) ..... passes test  
 suitability for microscopy ..... passes test

loss on drying (105 °C) ..... max. 10 %

ART. NO.	VOLUME	CONTAINER
EO00550025	25 g	0
EO00550100	100 g	0

## EOSIN METHYLENE BLUE, ACCORDING TO WRIGHT

EO0057 Eosin methylene blue, according to Wright

- Synonyms: Wright's eosin methylene blue
- CAS [68988-92-1]
- EINECS-No.: 273-541-5
- Solub. in water: (20 °C): insoluble
- LD 50 (oral, rat): 1180 mg/kg (toxic component)
- Tariff number: 3204 19 00 90
- Applications: analytical chemistry, for spectrophotometric determinations (for determination of: silver), for biology, indicator, microscopy.

pH (0,01%, methanol, 50%) ..... 6 - 7  
 Absorption maximum  $\lambda_1$  (in methanol) ..... 648 - 651 nm  
 Absorption maximum  $\lambda_2$  (in methanol) ..... 521 - 524 nm  
 Absorptivity (A1%/1 cm;  $\lambda_1$ , 0,0005% methanol, on dried sample) ..... 1200 - 1400  
 Absorptivity (A1%/1 cm;  $\lambda_2$ ; 0,0005% methanol, on dried sample) ..... 650 - 850  
 loss on drying (105°C) ..... max. 10%  
 suitability for microscopy ..... passes test

TLC test ..... passes test

ART. NO.	VOLUME	CONTAINER
EO00570025	25 g	0
EO00570100	100 g	0

## EOSIN METHYLENE BLUE SOLUTIONS

EO0056 Eosin methylene blue, solution according to May-Grünwald



- Synonyms: May-Grünwald's eosin methylene blue solution
- Density: 0,791 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Boiling point: ~ 65 °C
- Flash pt. 12 °C
- Ignition temp.: ~ 455 °C
- Vapour pressure: (20 °C) ~ 125 hPa
- ADR: 3 FT1 II UN 1992
- IMDG: 3 II UN 1992

- IATA/ICAO: 3 II UN 1992
- GHS-signal word: Danger
- GHS-H sentences: H225 - H331 - H370
- GHS-P sentences: P210 - P241 - P260 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 3204 19 00 90
- Applications: microscopy.
- Appearance: Blue with red shades liquid

Absorption maximum  $\lambda_1$  ..... 645 - 651 nm  
 Absorption maximum  $\lambda_2$  ..... 520 - 525 nm  
 Absorbance (0,25 %  $\lambda_1$ , 1 cm) ..... 0,50 - 0,80  
 Absorbance (0,25 %  $\lambda_2$ , 1 cm) ..... 0,30 - 0,40  
 suitability for microscopy ..... passes test

ART. NO.	VOLUME	CONTAINER
EO00560500	500 ml	0
EO00562500	2,5 l	0

EO0058 Eosin methylene blue, solution according to Wright



- Synonyms: Wright's eosin methylene blue solution
- Density: 0,80 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Flash pt. 5 °C
- LD 50 (oral, rat): 5628 mg/kg
- ADR: 3 FT1 II UN 1992
- IMDG: 3 II UN 1992
- IATA/ICAO: 3 II UN 1992

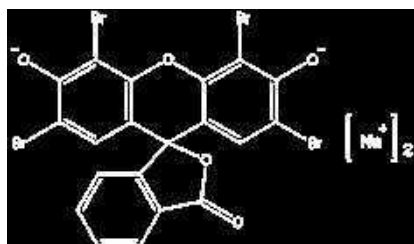
- GHS-signal word: Danger
- GHS-H sentences: H225 - H331 - H370
- GHS-P sentences: P210 - P241 - P260 - P303 + P361 + P353 - P405 - P501a
- Tariff number: 3204 19 00 90
- Applications: microscopy

suitability for histological stain ..... passes test

ART. NO.	VOLUME	CONTAINER
EO00580500	500 ml	0
EO00582500	2,5 l	0

## EOSIN YELLOWISH, C.I. 45380

EO0025 Eosin yellowish, C.I. 45380, for microscopy



- Synonyms: 2',4',5',7'-Tetrabromofluorescein, Eosin Y
- C<sub>20</sub>H<sub>6</sub>Br<sub>4</sub>Na<sub>2</sub>O<sub>6</sub>
- M = 691,86 g/mol
- CAS [17372-87-1]
- EINECS-No.: 241-409-6
- Solub. in water: (20 °C): 300 g/l
- LD 50 (oral, rat): 4700 mg/kg
- GHS-signal word: Warning
- GHS-H sentences: H302 - H312 - H332
- GHS-P sentences: P261 - P280 - P322 - P304 + P340 - P363 - P501a
- Tariff number: 3204 12 00 90
- Applications: analytical chemistry, indicator, for spectrophotometric determinations (for determination of: silver), for biology, microscopy.

assay (gravimetric) ..... min. 88 %  
 Absorption maximum  $\lambda$  (in H<sub>2</sub>O) ..... 515 - 518 nm  
 Absorptivity (A1%/1 cm; 0,0005 %  $\lambda$  max, H<sub>2</sub>O) ..... 1200 - 1400  
 related substances (TLC) ..... passes test  
 suitability for microscopy ..... passes test  
 loss on drying (110 °C) ..... max. 8 %

ART. NO.	VOLUME	CONTAINER
EO00250025	25 g	0
EO00250100	100 g	0
EO00250500	500 g	0