

//
//

()

*

ppm

g

ηm

(*Pearson*)

ppm

/ /

% / / % / /

±

/ / *mg/m³*

ηm

(*r²*) *Pearson*

%CV

(.)
National Institute of Occupational Health and Safety (NIOSH) (Metal Working Fluids)

/
()
NIOSH
NIOSH
cellulose mixed cellulose (C₁₀-C₁₈)

Fourier Transform Infrared Spectrometry
/ /
(.)

()
NIOSH
/

()
NIOSH
ACGIH American Conference of Governmental Industrial Hygienists (ACGIH) mg/m³

(.)
()
ACGIH ()
/

/

/ / Lit/min
Lit

(°C)

(Cecil CE 2021)

ppm

Merck (%) n-petane:
mixed cellulose ester (MCE)

/

mm

SKC

()

) Pearson

(

(Coefficient of Variation)

ppm

g

ηm

ppm

/

) μl
(/ g/ml

ppm

(°C)

ml

ppm

ppm

$y=0.0245\chi+0.1904$ $y=0.0213\chi+0.4632$

Pearson

$y=0.018\chi+0.633$

MCE

SKC

(open face filter holder)

/ / /

/ μm

mm

.()

μm

Poly Vinyl Chloride

ppm

P	r ²	λ_{max} nm	MWFs
< /	/		
< /	/		
< /	/		

ppm

/ /

ppm

.()

mmHg

°C

±

ppm

/ / mg/m³

ppm

ppm

/ /

%CV	%CV	ppm	MWFs
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		

()

/ /

/ ,

 NIOSH
 NIOSH ()
 ()
 NIOSH ACGIH
 / /
 NIOSH ()
 / /
 () NIOSH NIOSH ()
 NIOSH / /
 () ()
 (Fourier Transform Infrared Spectrometry)
 (Ultra Violet & Visible Spectrometry)
 ()
 NIOSH
 () NIOSH
 ηm
 °C

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