

// ()
// , ,

*

:

:

g

- *ppm*

- *ηm*

(*Pearson*)

:

- *ppm*

- *ηm*

/ /

(*r*²) *Pearson*

% / - / % / - /

%CV

±

/ - / *mg/m*³

:

:

mrazari@hotmail.com :

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

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

Fourier Transform Infrared Spectrometry
/ /
()
()
NIOSH

/ .
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NIOSH
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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			
nm		ppm		/ -) - µl	
				(/ g/ml	
				ppm	
				(°C)	
				ml	
				- ppm	
				•	
- ppm				SKC	
y=0.0245χ+0.1904		y=0.0213χ+0.4632		(open face filter holder)	
Pearson		y=0.018χ+0.633		MCE	
/ / /				/ µm	
				mm	
.()				µm	
				Poly Vinyl Chloride	

-	ppm	-
P	r ²	$\lambda_{\max}$ nm
< /	/	MWFs
< /	/	
< /	/	

ppm

/ - /

- ppm

.()

mmHg

°C

±

- ppm

/ - / mg/m³

ppm

ppm

/ - /

-

%CV	%CV	ppm	MWFs
/	/		
/	/		
/	/		
/	/		
/	/		
/	/		
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()

/ - /

Pearson

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

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