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CERTIFICATE OF ANALYSIS

PRODUCT NAME: ECQUSF84CT
CHEMICAL: Mixture of MgSO4, CUPSA, EEC18, Chloro Filtr®
SILICA TYPE: Irregular particles 40-63 micron, 60 Angstroms
LOT NUMBER: 038928-AA

		Specification Values		Lot Analysis
Test	**Method**	**Min**	**Max**	
Average Pore Size	SOP82-4.042	55Å	65Å	60Å
Surface Area (m^2/g)	SOP82-4.042	470	530	520 m^2/g
Pore Volume (cm^3/g)	SOP82-4.042	0.70	0.85	0.78 cm^3/g
Appearance	Visual	White Fine Powder		White Fine Powder
MgSO4 (lot#814160-BD)				
Assay	Ignition	99.50%	100.5%	99.90%
● Total sorbent weight per tube (450mg)		427	473	Conforms
CUPSA (lot#818011-GD)				
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	10.00%	12.5%	11.00%
Anion Exchange	SOP82-4.028	1.00	1.20	1.119meq/g
● Total sorbent weight per tube (150mg)		142	158	Conforms
EEC18 (lot#818020-BB)				
Carbon Analysis by Weight (Organic Loading)	SOP82-4.024	20.50%	22.70%	20.72%
Endcapping	SOP82-4.027	0.00abs	2.00abs	0.737 abs
● Total sorbent weight per tube (150mg)		142	158	Conforms
Chloro Filtr® (lot#20180333)		Conforms		Conforms
● Total sorbent weight per tube (50mg)		48	53	Conforms

- All components of this product are individually weighed. The mass of each raw material meets method required tolerances.

The shelf life is only valid if the material is stored in the original unopened container.
The specifications and lot analysis are only valid using the listed methods.
The test methods and specifications were current when the product was lotted.

CERTIFIED BY:
NAME: D. Kearns

TITLE: QC ANALYST

Certificate issue DATE: 01/31/2019

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