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To the Laboratory Management or to whom it may concern

From: Edward F. Askew PhD, President, Askew Scientific Consulting in substitution of Merck KGaA, Darmstadt, Germany.

Certificate for USEPA Equivalency Test Kits

For Spectroquant[®] Test Kits of Merck KGaA, Darmstadt, Germany, for Clean Water Act (CWA) Regulatory Testing.

The below mentioned Spectroquant[®] Test Kits that your laboratory is utilizing for regulatory compliance with the Clean Water Act have been reviewed for compliance with the currently promulgated 40 CFR part 136 methods listed in Table IB. An equivalency approval letter was issued by USEPA on December 3, 1999 (William A Telliard). We created this certificate of compliance to assure users that all the specifications required of the developer are met and documentation will be provided to the laboratories on our website. This certificate is valid for the test kits and application as following described:

This document refers to the following Spectroquant[®] test kits and all available pack sizes:

Catalogue Number	Spectroquant [®] Test kits	Measuring range	USEPA Equivalency for	
			Clean Water Act	Safe Drinking Water Act
1.14560	COD Cell Test	4.0 – 40.0 mg/L COD	Yes	Yes*
1.01796	COD Cell Test	5.0 – 80.0 mg/L COD	Yes	Yes*
1.14540	COD Cell Test	10 – 150 mg/L COD	Yes	Yes*
1.14895	COD Cell Test	15 – 300 mg/L COD	Yes	Yes*
1.14541	COD Cell Test	25 – 1500 mg/L COD	Yes	Yes*
1.14690	COD Cell Test	50 – 500 mg/L COD	Yes	Yes*
1.14691	COD Cell Test	300 – 3500 mg/L COD	Yes	Yes*
1.14555	COD Cell Test	500 – 10000 mg/L COD	Yes	Yes*
1.01797	COD Cell Test	5000– 90000 mg/L COD	Yes	Yes*
1.17058	COD Cell Test for Seawater / High Chloride Contents	5.0 – 60.0 mg/L COD	Yes	Yes*
1.17059	COD Cell Test for Seawater / High Chloride Contents	50 – 3000 mg/L COD	Yes	Yes*

* Safe Drinking Water Act uses methods in 40 CFR part 136 Clean Water Act if there are none in 40 CFR part 141 and the supporting documents

The Merck KGaA, Darmstadt, Germany, Equivalency documents covers all pack sizes, cells and citation units mentioned in the insert sheet of the test kit. Developer equivalency report, USEPA Approval Letter and USEPA formatted method can be obtained from <http://www.emdmillipore.com/USEPA>

Each Spectroquant[®] Test Kit was evaluated and met the following criteria:

1. The Spectroquant[®] test kit had the identical chemistry that in the USEPA approval letter.

Askew Scientific Consulting LLC provides consultancy service to Merck KGaA, Darmstadt, Germany, and provided this document to assure users that everything is in compliance with USEPA specification.

A handwritten signature in black ink, appearing to read 'Edward F. Askew', is positioned above a faint, light-colored watermark that says 'Integrative Science'.

Edward F. Askew PhD
Tue Mar 21 2017 11:39:53

April 24, 2017

Edward F. Askew PhD
President, Askew Scientific Consulting LLC