

eurofins-GAB GmbH · Eutinger Str. 24 · D-75223 Niefern-Öschelbronn

Jorge Luiz Berto Davo
CBMM Companhia Brasileira de Metalurgia e Mineração
Córrego da Mata s/n
38183-903 Araxá - MG
Brazil

August 26, 2009

Adsorption/Desorption of Niobium Pentoxide (Nb_2O_5)

Dear Mr. Davo,

The adsorption-desorption study according to the guideline OECD 106 of Niobium Pentoxide will not be performed, due to the following:

1. Determination of water solubility showed no homogenous results. The data ranged from maximum concentration of 30.4 to 7.9 μg niobium/L water (Water Solubility of Diniobium pentoxide, Dr Andreas Königer, 2009).
2. Limit of quantification (LOQ) was determined to 0.5 μg niobium/L water (Water Solubility of Diniobium pentoxide, Dr Andreas Königer, 2009).
3. The stock solution should be three orders of magnitude higher than the detection limit (Guideline OECD 106, 2000)

The inhomogeneous values of water solubility and the small concentration range between the water solubility and LOQ does not allow accurate performance of the Adsorption-Desorption Using Batch Equilibrium Method according to OECD 106, 2000.

With kind regards,
eurofins-GAB GmbH



Dr. Jutta Hellstern
Head of Environmental Fate
eurofins-GAB GmbH
Eutinger Str. 24
75223 Niefern-Öschelbronn
Germany

Managing Directors:

Dr. Marcus Balluff
Xavier Huerre

Registered office: Niefern
District court Mannheim
HRB 500704

Bank Details:

Sparkasse Pforzheim Calw
Bank Code: 666 500 85
Account No.: 901 105

Swift-Code: PZHS DE 66
IBAN Code:
DE07 6665 0085 0000 90 11 05

eurofins-GAB GmbH

Eutinger Strasse 24
D-75223 Niefern-Öschelbronn
Fon: +49 (0) 7233 / 9627-0
Fax: +49 (0) 7233 / 9627-68
Email: info@eurofins-gab.com
www.eurofins-gab.com