



SETH COE-SULLIVAN  
*Chief Technology Officer & Co-Founder*  
Writer's Direct Dial  
Telephone No. (857) 891-2207  
E-Mail: scoe-sullivan@qdvision.com

OEKO-Institut  
ROHS EXEMPTIONS  
Yifaat Baron  
Freiburg  
Germany

Re: Response to questions

Ex. Re. No. 2013-2 for "Cadmium in colour converting II-VI LEDs (< 10 µg Cd per mm<sup>2</sup> of light-emitting area) for use in solid state illumination or display systems" (Request for renewal of Exemption 39 of Annex III of Directive 2011/65/EU)

Ex. Re. No. 2013-2 for "Cadmium in light control materials used for display devices"

Dear Yifaat:

Further to your email, I attach the response from QD Vision on the questions that OEKO institute has asked. There are a number of attachments referring to benchmarking, testing, as well as models, lists and prices which are referenced in our responses. Also attached is a full life cycle analysis comparison we have performed on Indium Phosphide and Cadmium Selenide. In that document there are a large number of references to studies which we have at your disposal in zip form (several dozens of megabytes) if you desire them.

Should any of our responses require further clarification or expansion we are of course happy to assist you further.

Kind regards,

A handwritten signature in blue ink, appearing to read 'Seth'.

Seth Coe-Sullivan