
From: Nigel Pickett <npickett@nanocotechnologies.com>
Sent: Sunday, October 22, 2006 12:20 PM
To: 'ejjang12@samsung.com'
Cc: Michael Edelman
Subject: RE: About the Cd free quantum dots

Dear Eunjoo,

Thank you for your email, we have an extensive program producing a large range of cadmium and other heavy metal-free (RoHS compliant) quantum dots, these span the full visible range from 390nm to over 900nm.

Presently these have quantum efficiencies of 50 - 60% but are constantly being improved upon, with a goal to have efficiencies of over 90%; currently we are on scandal to deliver kg quantities of theses materials into the Japanese market for the first half of next year.

Initial photoluminescence stability test show these material to be very stable,

I hope this is of some help,

Nigel.

Dr Nigel Pickett
Co-founder & Technical Director
Nanoco Technologies
+44 (0)161 275 4605
www.nanocotechnologies.com

-----Original Message-----

From: 장은주 [mailto:ejjang12@samsung.com]
Sent: 20 October 2006 01:34
To: npickett@nanocotechnologies.com
Subject: About the Cd free quantum dots

Dear Nigel,

Greetings,

I am a research scientist in Samsung Advanced Institute of Technology.
And, I believe that we have met before when you gave us a lecture at our place.

Dr. Byoungryong Choi forwarded me your mail after he came back from quantum dot conference.
Since I have been involved in quantum dot research project, I understand your concern.

Samsung business units have their own position to handle new types of materials, and there are many matured technologies supplied to them for initial free test.

As a central research unit in Samsung, we are interested in developmet of new technologies.

We are currently interested in color converting material from blue to red, and blue to green with high efficiency. Since Cd is one of the most limited materials in industry, we try to find more environmentally friendly material. From literature suvery, we know it might be possible to produce some III-V semiconductor nanocrystals. However, they still need improvement in efficiency and stability.

We are interested in your Cd-free quantum dots, and would like to know the status of your developmet project.

If you have any questions, please let me know.

Sincerely,

Eunjoo

Eunjoo Jang
Senior Research Staff Member, Ph.D.

Display Emission Material Project Team
Saamsung Advanced Institute of Technology
Tel:82-31-280-6753
Fax:82-31-280-9349
ejjang12@samsung.com
ejjang1201@hanmail.net

_____ Information from ESET NOD32 Antivirus, version of virus signature database 5476 (20100924) _____

The message was checked by ESET NOD32 Antivirus.

<http://www.eset.com>