



Chairman: *Dave Boyd* (Johnson Matthey)
05 October 2012, 10:00 – 11:00 CET

List of participants

Dave Boyd	Johnson Matthey	United Kingdom
Roland Brasch	Heraeus	Germany
Peter Grohnert	Heraeus	Germany
Mark Raffray	Johnson Matthey	United Kingdom
Klaus Rothenbacher	EPMF	Belgium
Rüdiger Thiele	Heraeus	Germany
Steven Verberckmoes	Umicore	Belgium

Draft Minutes

1. Welcome and introduction

The participants were reminded on their obligation to comply with confidentiality and Competition Law.

2. Sameness discussion of PGM compounds

2.1. General

As discussed at the previous call, there are a range of inconsistencies regarding the declared substance profiles of PGM compounds. PMC has therefore consulted member companies to complete new substance ID cards in order to clarify this. The deadline for response was 4th October 2012.

Heraeus indicated that they were not in a position to meet the deadline and offered to complete the ID cards by end October.

2.2. Sameness of PGM nitrates

The issue of Rh (III) speciation (and of PGM nitrates in general) is important for a couple of reasons, such as the Classification/ Labelling of Rh (III) compounds (e.g., genotoxicity) but may also be important in the context of risk assessment of VEC emissions due to questions being posed by externals over potential environment transformation to Rh (III) species with higher biological activity.

Mark Raffray informed the group that the HSRG will be discussing their research needs and budget requests for 2012-2014 at an IPA Members meeting on 22 October, and suggested that the HSRG activities are coordinated with the PMC activities. He urged the group to come to a quick conclusion on enabling data and decisions to support this program.



2.3. Information requirements

Detailed sameness discussions will need to take place on Rh- and Pt-nitrate in order to make sure the correct reference substances are being selected for testing. The group agreed that, in addition to the completed ID sheets, additional information (based around the previous PMC agreements for PGM sameness characterisation) is required to complete these discussions:

- Infrared (IR) spectra for solids
- Raman spectra for solutions (and for solids, if possible)
- Excess HNO₃ for solutions, e.g., via potentiometric titration
- *Post meeting note: if we want to establish sameness between solid Rhodium nitrate and Rhodium nitrate solution, then we will need Raman spectra of both the solution and the solid*
- Capillary electrophoresis, if possible, but not core dataset (see more detailed discussion below)
- Other spectra, such as x-ray diffraction spectra can be helpful if available, but were not seen as core dataset

Action: PMC to request this additional information from all manufacturers/importers (M/I) of PGM nitrates with a deadline of 14 November.

2.4. Capillary electrophoresis (CE)

Umicore is working on CE with Aqura, which have developed a method based on a coupled capillary electrophoresis/ICP-MS method (Steven, is this a correct description?). The task force indicated that having data from this method would be useful and could provide supporting information for the sameness discussions.

It was therefore suggested that the M/Is generate CE spectra of their compounds to support the sameness discussions (Question: did we agree for which compounds this is necessary?)

Action: Steven Verberckmoes to provide cost quote and timing for analyses

2.5. Practical sameness discussions

The group discussed whether it would be helpful to ask an independent expert to help with the sameness discussions. This would allow to better take into account confidential information. However, this was seen as currently not necessary, and the following approach was proposed:

Similar to previous sameness discussions an expert meeting will be convened, which can be joined by representatives of the M/I and PMC. Spectra of the substances under discussion will



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be anonymised and provided to the experts. They will then discuss the spectra with a view to reaching agreement on substance sameness. The discussion will be confined to the meeting room, and conducted under compliance with confidentiality and competition Law. The participants will not be allowed to take any documentation beyond this room.

The group agreed to aim having this discussion in mid-November 2012. A prerequisite will of course be that all necessary documentation is available. The importance that companies respect the deadline for providing information on ID cards and spectra (as specified under point 2.3) was again emphasized in this context.