

P-Life Japan Inc.

1-30-16-205, Todoroki, Setagaya-ku, Tokyo, Japan 1580082

Tel: 81-3-3705-7284 Fax: 81-3-3705-2050

<http://www.p-lifeasia.com>

Supplementary comment on the Certification

January 16th, 2011

Dear Customers and Partners,

As we made an announcement previously, **P-Life** received the Official Certification from SP Technical Research Institute of Sweden* ("SP") as a certified Oxo-Biodegradable Plastic Additive.

In order for you to deepen your understanding as to what we claim on this remarkable accomplishment, we would like to extend our explanation for further clarification as follows:

1. **P-Life is the first Oxo-Biodegradable additive certified by SP in accordance with their Official Certification Rules.**

SP's certification rules are based on the existing international and national standards and guidelines (e.g. ASTM D6954) as well as the scientific state-of-the-art knowledge.

The certification rules can be downloaded from SP's website, where you can also see the list of certified products.

<http://www.sp.se/en/index/services/certprod/Sidor/certprodmarking.aspx>

2. SP asserted that the performance of **P-Life** additive is well understood. The important fact is that the certification has nothing to do with "wide market acceptance" but is based on "the extensive scientific work performed during several years".

Some parts of this work have been presented at the MoDeSt conference in Athens in 2010. In few weeks, the whole work will be published in Polymer Degradation and Stability Journal.

3. SP asserted that ASTM D6954 is a guideline that lacks some specific information and essential requirements, e.g. regarding Tire 2 of the standard it says; "The percent biodegradation shall be calculated and reported as stated in the above referenced standards. The results from Tier 1 and Tier 2 shall be combined and used for comparison and ranking purposes between polymers of interest".

*SP Technical Research Institute of Sweden: <http://www.sp.se/en/>
For further information, please contact us at isaotoyama@p-lifeasia.com.

P-Life Japan Inc.

1-30-16-205, Todoroki, Setagaya-ku, Tokyo, Japan 1580082

Tel: 81-3-3705-7284 Fax: 81-3-3705-2050

<http://www.p-lifeasia.com>

There are no specific test conditions defined and no requirements regarding what level of biodegradability must be achieved within a specified time frame. That is the reason why SP developed special certification rules. SPCR141, Appendix 4 is based on ASTM D6954 but contains all the missing specifications, technical requirements and description of procedures in order to ensure continuous compliance with the requirements in the certification rules.

4. SP also asserted that *P-Life Japan Inc is the holder of a valid certificate based on official certification rules.*
5. From above clarifications, we would like to say clearly about what we have achieved with SP as follows;

“P-Life is the first and only additive certified in accordance with SPCR141, Appendix4 “Polymeric waste degradable by abiotic and subsequent biological degradation (A+B degradable) – Requirements and test methods” in which the product fulfils all the requirements stated in ASTM D6954 and some additional requirements that are not specified in this standard guide.”

We believe that the above supplementary information will help you hold in-depth understanding with regard to SP's certificate granted to ***P-Life***.

As a principal of ***P-Life*** Oxo-Biodegradable Plastic Technology, we will devote ourselves as the supplier of the Certified Oxo-Biodegradable Additive in the world-wide market and would look forward to receiving your continuous supports for years to come.

Sincerely Yours,

 

ISAO TOYAMA

President

P-Life Japan Inc. (Certificate Holder)

*SP Technical Research Institute of Sweden: <http://www.sp.se/en/>
For further information, please contact us at isaotoyama@p-lifeasia.com.