

To whom it may concern

Evaluation of performance of SkillPro dust bag products

SkillPro Services Pty Ltd (SkillPro) contracted CSIR and Prof JJL du Plessis to evaluate the performance of SkillPro's dust bag products in the 200 m test gallery at Kloppersbos. The objective was to compare the performance of the short dust bags (further referred to as dust bags) when suspended from an extension rod (dropper) against the performance of the dust bags when suspended unconstrained from a tensioned chain.

The evaluation approach was designed to replicate test conditions used by CSIR in the past for the evaluation of bagged barrier products. A pair of dust bags, one suspended from a dropper and the other suspended from a tensioned chain, was subjected to a pressure impulse created by a methane explosion, allowing the bag rupture and dust dispersal to be observed and evaluated.

The dust bags suspended from droppers performed similar to those suspended directly from the tensioned chain. The performance of the dust bags observed in this test program was similar to what was observed during CSIR's testing of SkillPro dust bag products between November 2016 and January 2017.

In conclusion, the rupture tests have shown similar performance for the dust bags suspended unconstrained from a tensioned chain and the bags suspended from the dropper.

For inquiries in this regard, please contact the undersigned.

Sincerely



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