Literature review report on potential estrogen, androgen and steroidogenic (EAS) mediated endocrine disrupting (ED) properties Active Substance: PVP-Iodine

according to

EFSA Guidance "Submission of scientific peer-reviewed open literature for the approval of pesticide active substances under Regulation (EC) No 1107/2009; EFSA Journal 2011, 9(2):2092"

and

EFSA Guidance "Guidance for the identification of endocrine disruptors in the context of Regulations (EU) No 528/2012 and (EC) No 1107/2009; EFSA Journal 2018;16(6):5311

Sponsor Iodine Registration Group (IRG)

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1. Summary

A literature search for the active substance Polyvinylpyrrolidone Iodine (PVP-Iodine) on potential endocrine disruptive properties of the active substance PVP-Iodine was performed as requested by EFSA Guidance "Guidance for the identification of endocrine disruptors in the context of Regulations (EU) No 528/2012 and (EC) No 1107/2009; EFSA Journal 2018;16(6):5311.

The literature search was conducted in accordance to the provisions of the EFSA Guidance "Submission of scientific peer-reviewed open literature for the approval of pesticide active substances under Regulation (EC) 1107/2009".

The objective of the literature search was the assessment of scientific peer-reviewed open literature dealing on potential endocrine disruptive properties of the active substance PVP-Iodine .

This report summarises the search and selection process of the literature search performed.

Literature was searched accessing the databases: AGRICOLA, BIOSIS, CABA, EMBASE, ESBIOBASE, HCAPLUS, MEDLINE, PQSCITECH, TOXCENTER via the service provider STN-International.

In total, 155 records were retrieved from bibliographic databases and were screened by expert reviewers for relevance. Based on the evaluation of the summary records (titles/abstracts) 151 publications were assessed as obviously not relevant for the assessment of potential endocrine disruptive properties of the active substance PVP-Iodine .

Four full-text documents were assessed in detail. One of these publications did provide relevant information on the potential endocrine disruptive properties of the active substance PVP-Iodine.