

Iris Ofir
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August 09, 2020

Re: **MICROBIOLOGICAL TEST OF SEEDS**

Official sample No. 46946-2020/2

Certificate import no. 99438-2020

Sample Details:

Sample:	Coated cucumber seeds CUCUMIS SATIVUS	Lab ID:	4914
Variety:	retro	Seeds origin:	NETHERLANDS
Lot No.	6021084	Name of official Sampler:	Iris Ofir
Weight of sample:	100gr	Seed owner:	Efal Chemicals
Weight of shipment:		Date sampled: 28.07.2020	Date Received: 29.07.2020

Tested for:	Results:
Acidovorax citrulli (Ac) - 1000 seeds, by PCR method	Negative
Cucumber Leaf Spot carmovirus – 3 replicates of 100 seeds each, by the Bioassay method	Negative
Colletotrichum orbiculare – 400 seeds	Negative
Fusarium oxysporum f.sp. cucumerinum – 400 seeds	Negative
Pseudomonas syringae - 1 replicate of 1000 seeds	Negative
Xanthomonas campestris pv. cucurbitae - 1 replicate of 1000 seeds	Negative

The tests were performed according to:

S.O.P 83: "Detection of Fungi in seeds for: *Pythium* spp., *Phytophthora* spp., *Fusarium* spp., *Rhizoctonia* spp., *Verticillium* spp., *Lasiodiplodia* spp., *Cylindrocladium* spp., *Myrothecium* spp., *Didymella* spp., *Phoma* spp., *Colletotrichum* spp., *Alternaria* spp., *Stemphylium** spp., *Pestalotia* spp., *Rhizopus* spp., *Penicillium* spp., *Aspergillus* spp., *Diplodia* spp., *Helminthosporium* spp., *Drechslera* spp., *Bipolaris* spp., *Septoria* spp., *Cladosporium* *spp., *Macrophomina* sp., *Phacidiopycnis* spp., *Neofabraea* spp., *Urocystis cepulae*, *Sclerotium cepivorum*, *Sclerotinia* spp., *Botryosphaeria* spp., *Botrytis* spp., *Ascochyta* spp."

S.O.P 97: "Detection of the bacteria *Xanthomonas campestris* pv. *campestris* causing black rot disease in brassica seeds & *Xanthomonas campestris* pv. *cucurbitae* in cucurbitae seeds".

S.O.P 103: "Detection of viruses in Solanaceae seeds".

S.O.P 120: "Detection of the bacteria: *Acidovorax citrulli* (Ac) in cucurbitaceae seeds and plants by the PCR method"

S.O.P 126: "Detection of bacteria, viruses, Viroids by the RT-PCR method.

Lab ID 4914:

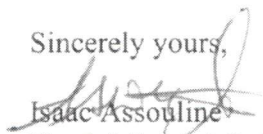
Comments:

1. Transportation: The sample was received in the laboratory without any means of protection from temperature changes.
2. Treatment: The seeds were treated by FLUDIOXONIL, the treatment may interfere or mask the results .
3. ISRAC is not responsible for the testing results conducted by the laboratory and the laboratory's accreditation is not considered as an approval of ISRAC or different party related to the assessed.
4. This document must be referred to entirely and copying of any part of it to other documents is forbidden
5. The data in this certificate reflect results that are valid for analyzed samples only as received in the lab.
6. The test performed is under certification to ISO/IEC 17025 standard.

Final results are the PPIS representative responsibility.

End of certificate.

Sincerely yours,



Isaac Assouline

Head, Microlab Laboratories (99) LTD