

AUTHENTICATED REGISTER OF APPROVED PROTOCOLS AS MEANT IN THE
'NAL AUTHORIZATION -AGREEMENT'

ANNEX OF THE NAL-CERTIFICATE REG.NR.743
ISSUED BY NAKTUINBOUW D.D. 8 JULY 2019
TO: RIJK ZWAAN PRODUCTION B.V

TESTS:

Sampling

- Seeds

Seed analysis

- Germination tests in soil
- Germination tests on rockwool
- Germination tests on paper
- Determination of other seeds by number
- Determination of physical purity
- Determination of seed weight

Seed Health

Bacteria

Acidovorax citrulli on rootstock, cucumber, watermelon, melon and gherkin seed
Acidovorax valerianellae on corn salad seed
Clavibacter michiganensis subsp. *michiganensis* on Solanaceae (tomato, egg plant and pepper) seed
Candidatus Liberibacter solanacearum on carrot and celery seed
Pseudomonas cannabina pv. *alisalensis* on Brassica (cabbage, radish and rocket) seed
Pseudomonas savastanoi pv. *phaseolicola* on bean seed
Pseudomonas syringae pv. *maculicola* on Brassica (cabbage, radish and rocket) seed
Pseudomonas syringae pv. *porri* on leek seed
Pseudomonas syringae pv. *tomato* on Solanaceae (tomato, egg plant and pepper) seed
Xanthomonas axonopodis pv. *phaseoli* on bean seed
Xanthomonas campestris pv. *campestris* on Brassica (cabbage, radish and rocket) seed
Xanthomonas campestris raphani on Brassica (cabbage, radish and rocket) seed
Xanthomonas spp. (*Xanthomonas euvesicatoria*, *Xanthomonas gardneri*, *Xanthomonas perforans* and *Xanthomonas vesicatoria*) on Solanaceae (tomato, egg plant and pepper) seed
Xanthomonas campestris pv. *vitians* on lettuce seed
Xanthomonas hortorum pv. *carotae* on carrot seed
Xanthomonas fuscans subsp. *fuscans* on bean seed

Fungi

Alternaria dauci on carrot seed
Alternaria radicina on carrot seed
Cladosporium variabile on spinach seed
Colletotrichum dematium on spinach seed
Peronospora valerianella grow-out tests on corn salad seed
Phoma lingam on cabbage seed
Phoma vallerianellae on corn salad seed
Sclerotinia sclerotiorum on all crops
Septoria apiicola bioassay on celery seed
Stemphylium botryosum on spinach seed
Verticillium dahliae on spinach seed

Viroid

Pospiviroids (PSTVd, TCDVd, PCFVd, CEVd, CLVd, TPMVd and TASVd) on Solanaceae (rootstock, tomato, egg plant and pepper) seed

Virus

Alfalfa Mosaic Virus (AMV) on Solanaceae (tomato, egg plant and pepper) seed

Cucumber Green Mottle Mosaic Virus (CGMMV) on Cucurbitaceae (zucchini, melon, cucumber, gherkin, cucurbit rootstock, watermelon) seed

Kyuri Green Mottle Mosaic Virus on Cucurbitaceae (zucchini, melon, cucumber, gherkin, cucurbit rootstock, watermelon) seed

Lettuce Mosaic Virus (LMV) on lettuce seed

Melon Necrotic Spot Virus (MNSV) on Cucurbitaceae (zucchini, melon, cucumber, gherkin, cucurbit rootstock, watermelon) seed

Pepino Mosaic Virus (PepMV) on Solanacea (tomato, egg plant, pepper) seed

Squash Mosaic Virus (SqMV) on Cucurbitaceae (zucchini, melon, cucumber, gherkin, cucurbit rootstock, watermelon) seed

Tobamovirus on Solanaceae (tomato, egg plant, pepper) seed

- including ToBRFV

Zucchini Green Mottle Mosaic virus on Cucurbitaceae (zucchini, melon, cucumber, gherkin, cucurbit rootstock, watermelon) seed

ROELOFARENDSVEEN,
26 MAY 2020



DR. M. BRUINSMA
COORDINATOR INTERNATIONAL SYSTEMS

ONLY VALID WHEN STAMPED AND PROVIDED WITH AN ORIGINAL SIGNATURE