

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. 9 AUGUST 2022  
TO: RIJK ZWAAN PRODUCTION B.V

TESTS:

Sampling

- Seeds
- Plants

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 thousand seed weight

Seed Health

**Bacteria**

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

**Fungi**

*Alternaria dauci* on carrot seed  
*Alternaria radicina* on carrot seed  
*Cladosporium variabile* on spinach seed  
*Colletotrichum dematium* on spinach seed  
*Peronospora valerianellae* on corn salad seed  
*Plenodomus lingam* (*Phoma lingam*) on cabbage seed  
*Sclerotinia sclerotiorum* on all crops  
*Septoria apiicola* on celery seed  
*Stagonosporopsis valerianellae* (*Phoma valerianellae*) on corn salad seed  
*Stemphylium botryosum* on spinach seed  
*Verticillium dahliae* on spinach and lettuce seed  
*Verticillium* spp. on lettuce 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

Arabid Mosaic Virus (ArMV) on beetroot, swiss chard, lettuce, tomato, cucumber and gherkin seed

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

Cucumber Mosaic Virus (CMV) on Cucurbitaceae (gherkin, zucchini, cucumber, melon, watermelon and cucurbit rootstock) seed

Kyuri Green Mottle Mosaic Virus (KGMMV) 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 Solanaceae (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 and ToMMV

ToBRFV on Solanaceae (tomato, egg plant, pepper) plants

Tomato Black Ring virus (TBRV) on beetroot, swiss chard, lettuce, tomato, cucumber and gherkin seed

Tomato Ring Spot Virus (ToRSV) on tomato seed

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

ROELOFAREND SVEEN,  
17 NOVEMBER 2022



A. VAN DIJK  
COORDINATOR INTERNATIONAL SYSTEMS

ONLY VALID WHEN STAMPED