

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

ANNEX OF THE NAL-CERTIFICATE Reg.nr. 392  
ISSUED BY NAKTUINBOUW D.D. 1 JANUARY 2022  
TO: ENZA ZADEN SEED OPERATIONS B.V.

TESTS:

Sampling

- Seeds
- (Parts of) Plants

Seed Analysis

- Germination tests
- Usable Plant tests
- Determination of other seeds by number
- Determination of physical purity
- Determination of seed weight

Seed Health

**Bacteria**

*Acidovorax citrulli* in Cucurbitaceae seeds  
*Acidovorax valerianellae* in corn salad seeds  
*Clavibacter michiganensis* subsp. *michiganensis* in Solanaceae seeds (pepper, eggplant, tomato)  
*Pseudomonas syringae* pv. *maculicola* in Brassicaceae seeds  
*Pseudomonas syringae* pv. *porri* in leek seeds  
*Pseudomonas syringae* pv. *tomato* in tomato seeds  
*Ralstonia solanacearum* in Solanaceae seeds (pepper, eggplant, tomato)  
*Xanthomonas campestris* pv. *raphani* in Brassicaceae seeds  
*Xanthomonas campestris* pv. *campestris* in Brassicaceae seeds  
*Xanthomonas* spp. (*Xanthomonas euvesicatoria*, *Xanthomonas gardneri*, *Xanthomonas perforans* and *Xanthomonas vesicatoria*) in pepper and tomato seeds  
*Xanthomonas hortorum* pv. *carotae* in carrot seeds

**Fungi**

*Alternaria brassicae* in Brassicaceae seeds  
*Alternaria dauci* in carrot seeds  
*Alternaria porri* in leek seeds  
*Alternaria radicina* in carrot seeds  
*Botrytis allii* in onion seeds  
*Cladosporium* var. in spinach seeds  
*Colletotrichum dematium* in spinach seeds  
*Fusarium oxysporum* in Cucurbitaceae seeds  
*Fusarium oxysporum* in basilicum seeds  
*Fusarium oxysporum* in spinach seeds  
*Fusarium oxysporum* in tomato seeds  
*Fusarium solani* in Cucurbitaceae seeds  
*Phoma apiicola* in celery seeds  
*Phoma lingam* in Brassicaceae seeds  
*Phoma valerianellae* in corn salad seeds  
*Peronospora farinosa* in spinach seeds  
*Peronospora valerianellae* in corn salad seeds

*Septoria petroseleni* in parsley seeds

**Fungi**

*Septoria apiicola* in celery seeds

*Septoria spp.* in lettuce seeds

*Stemphylium botryosum* in spinach seeds

*Verticillium spp.* in spinach seeds

**Viroid**

Pospiviroids (CEVd, CLVd, PCFVd, PSTVd, TASVd, TCDVd en TPMVd) in egg plant seeds or part of plants

Pospiviroids (CEVd, CLVd, PCFVd, PSTVd, TASVd, TCDVd en TPMVd) in pepper seeds or part of plants

Pospiviroids (CEVd, CLVd, PCFVd, PSTVd, TASVd, TCDVd en TPMVd) in tomato seeds or part of plants

**Virus**

Arabis Mosaic Virus (ArMV) in Cucurbitaceae seeds

Arabis Mosaic Virus (ArMV) in tomato seeds

Cucumber Green Mottle Mosaic Virus (CGMMV) in Cucurbitaceae seeds or part of plants

Cucumber Leaf Spot Virus (CLSV) in Cucurbitaceae seeds

Cucumber Mosaic Virus (CMV) in Cucurbitaceae seeds

Cucumber Mosaic Virus (CMV) in spinach seeds

Cucumber Mosaic Virus (CMV) in Solanaceae seeds (tomato, pepper, eggplant)

Kyuri Green Mottle Mosaic Virus (KGMMV) in Cucurbitaceae seeds

Lettuce Mosaic Virus (LMV) in lettuce seeds or part of plants

Melon Necrotic Spot Virus (MNSV) in Cucurbitaceae seeds or part of plants

Onion Yellow Dwarf Virus (OYDV) in Alliaceae seeds (onion, leek, bunching onion)

Pepino Mosaic Virus (PepMV) in tomato seeds or parts of plants

Squash Mosaic Virus (SqMV) in Cucurbitaceae seeds

Tobacco Ringspot Virus (TRSV) in Cucurbitaceae seeds

Tobacco Ringspot Virus (TRSV) in pepper and tomato seeds

Tomato Ringspot Virus (ToRSV) in tomato seeds

Tomato Black Ring Virus (TBRV) in tomato seeds

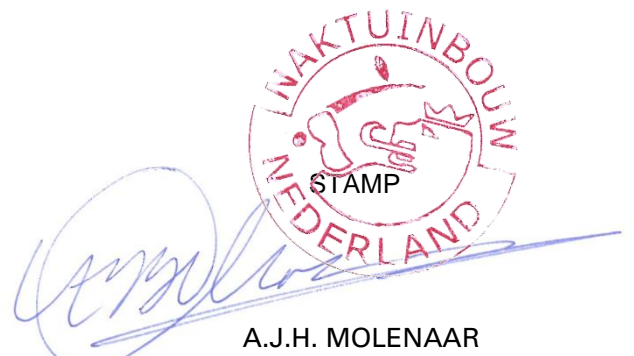
Tobamovirus in tomato, eggplant and pepper seeds

- including ToBRFV

Zucchini Yellow Mosaic Virus (ZYMV) in Cucurbitaceae seeds

Zucchini Green Mottle Mosaic Virus (ZGMMV) in Cucurbitaceae seeds

ROELOFAREND SVEEN,  
25 APRIL 2022



A.J.H. MOLENAAR  
MANAGER-INTERNATIONALE SYSTEMEN

ONLY VALID WHEN STAMPED AND PROVIDED WITH AN ORIGINAL SIGNATURE