

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

ANNEX OF THE NAL-CERTIFICATE Reg.nr. 392
ISSUED BY NAKTUIBOUW D.D. 1 JANUARY 2019
TO: ENZA ZADEN SEED OPERATIONS B.V.

TESTS:

Sampling

- Seeds
- (Parts of) Plants

Seed Analysis

- Germination 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 tomato seeds
Pseudomonas syringae pv. *maculicola* in Brassicaceae seeds
Pseudomonas syringae pv. *porri* in leek seeds
Pseudomonas syringae pv. *tomato* in tomato seeds
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
Septoria apiicola in celery seeds

Fungi

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
Melon Necrotic Spot Virus (MNSV) in Cucurbitaceae seeds or part of plants
Pepino Mosaic Virus (PepMV) in tomato seeds or parts of plants
Lettuce Mosaic Virus (LMV) in lettuce seeds or part 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

ROELOFARENDSVEEN,
7 NOVEMBER 2019



DR. M. BRUINSMA
COORDINATOR NAL

ONLY VALID WHEN STAMPED AND PROVIDED WITH AN ORIGINAL SIGNATURE