



**ISTA**  
**100 YEARS**

A CENTURY OF PROGRESS IN SEED QUALITY ASSURANCE

# eCertificates Are Live

**Faster, Safer, Cheaper**

# eCertificates



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Paper

**ISTA**  
ORANGE INTERNATIONAL SEED LOT CERTIFICATE  
BULLETIN INTERNATIONAL ORANGE DE LOT DE SEMENCES  
INTERNATIONALER ORANGE-BERICHT ÜBER EINE SAATGUTPARTIE

SEEDS BY APPLICANT - INFORMATIONS DU REQUERANT - ANGABEN DES ANTRAGSTELLERS  
Name of applicant: Flower Seed Trade, Bond Street 1, 8000 Malver, United Kingdom

SEEDS: Soybean, Glycine max, Certified seed C1, variety 'Tofu', 5000kg

INFORMATION - INFORMATIONS - ANGABEN

ANALYSIS RESULTS - RESULTATS DE L'ANALYSE - ANGABEN DER ANALYSEERESULTATE

Parameter	Value
Germination (%)	99.1
First count (%)	0.4
Second count (%)	0.5
Mean germination percentage (%)	10
Standard deviation (%)	81
Seed vigor (%)	0
Seed vigor index	6
Seed vigor index (20°C)	10
Seed vigor index (25°C)	3
Seed vigor index (30°C)	8.1

Other results: null

Other contaminants: Amaranthus retroflexus, Cirsium sp., Echinochloa crus-galli, Stalleria media

Other contaminants: null

ISTA Reg. No. 02352100

Original or Duplicate always with Seed Lot

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ISTA Reg. No. OIC0000014774

Dubai, United Arab Emirates 2024-03-05

eCertificate PDF

Original is on Server



# eCertificates

## Paper

- Print Provisional and ship by courier
- Print Original and Duplicates and ship by courier
- Attach Provisional or Original or Duplicate to each shipment or send by courier

## eCertificate

- Fill Provisional and send link/PDF
- Fill Original and send PDF
- No Duplicates required
- Attach PDF or link to each shipment
- Originals have the same credentials as Provisionals

# eCertificates Faster & Cheaper



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- eCertificates may be E-mailed directly after signature to the data owner by the laboratory or supplied via the laboratories' client portals – **No Delays, No Shipment Cost**

## ZA06 Testimony:

“With the new electronic system, I’m able to supply my clients with their OIC and BIC certificates within minutes from the time the tests are completed.”

# eCertificates Safer (to Fraud)

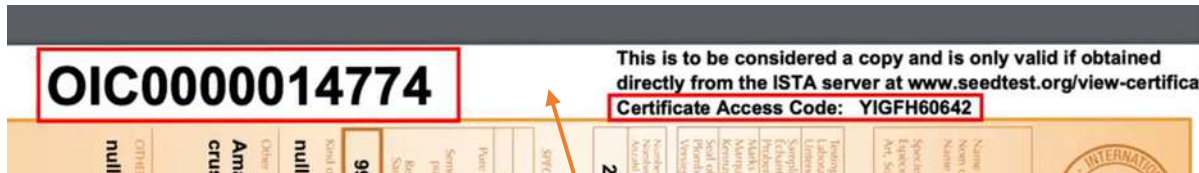


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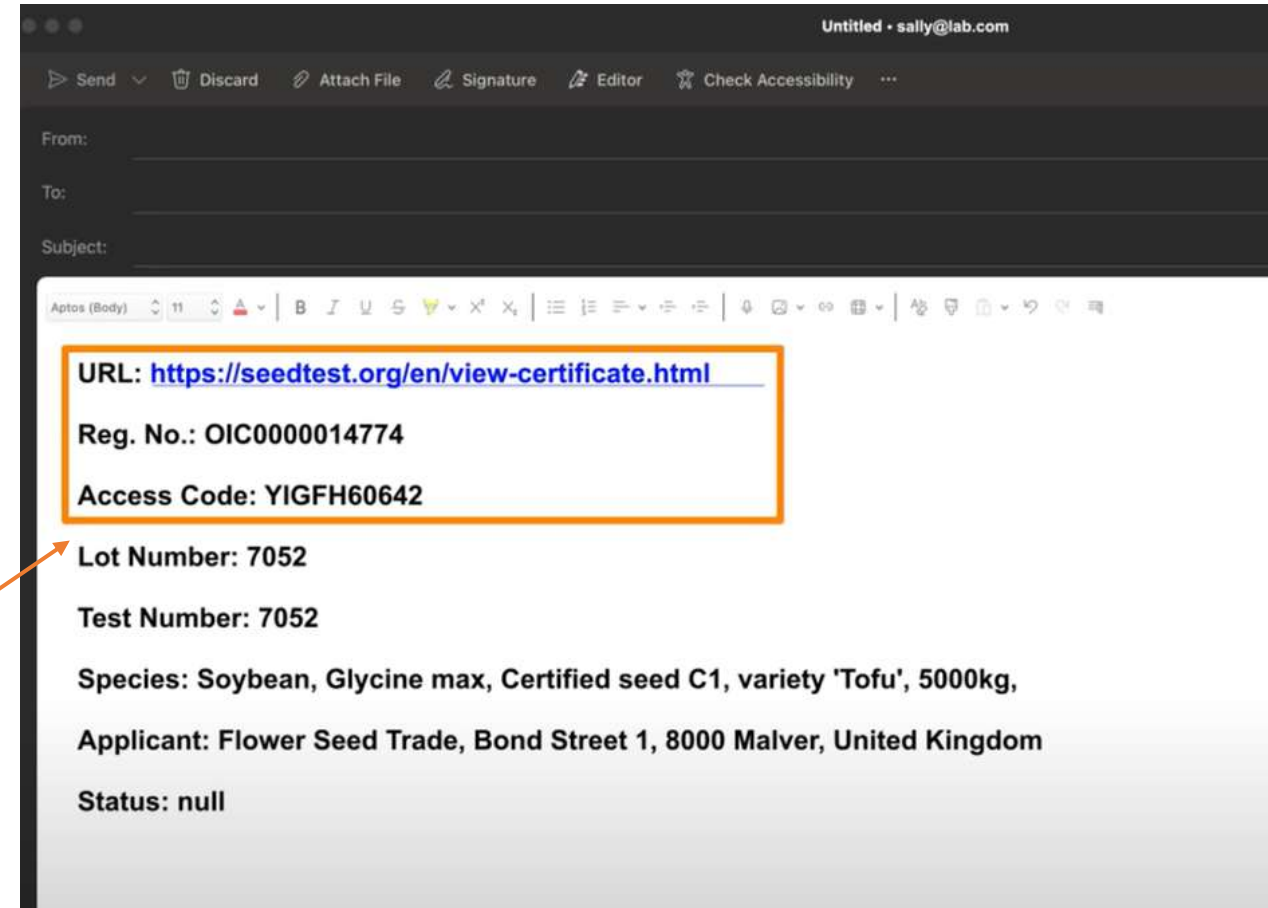
- eCertificates (PDFs) include access data via the ISTA website to **verify the data** for all interested parties using the read access (Originals keep the same access credentials, if before a Provisional eCertificate was issued) – **Read-only-area, Always up to date**

# eCertificates Safer - Access

- eCertificates (PDFs) include access data via the ISTA website to **verify the data** for all interested parties using the read access (Originals keep the same access credentials, if before a Provisional eCertificate was issued) – **Read-only-area, Always up to date**



Links are only with the data owner  
(or with those, they shared it)

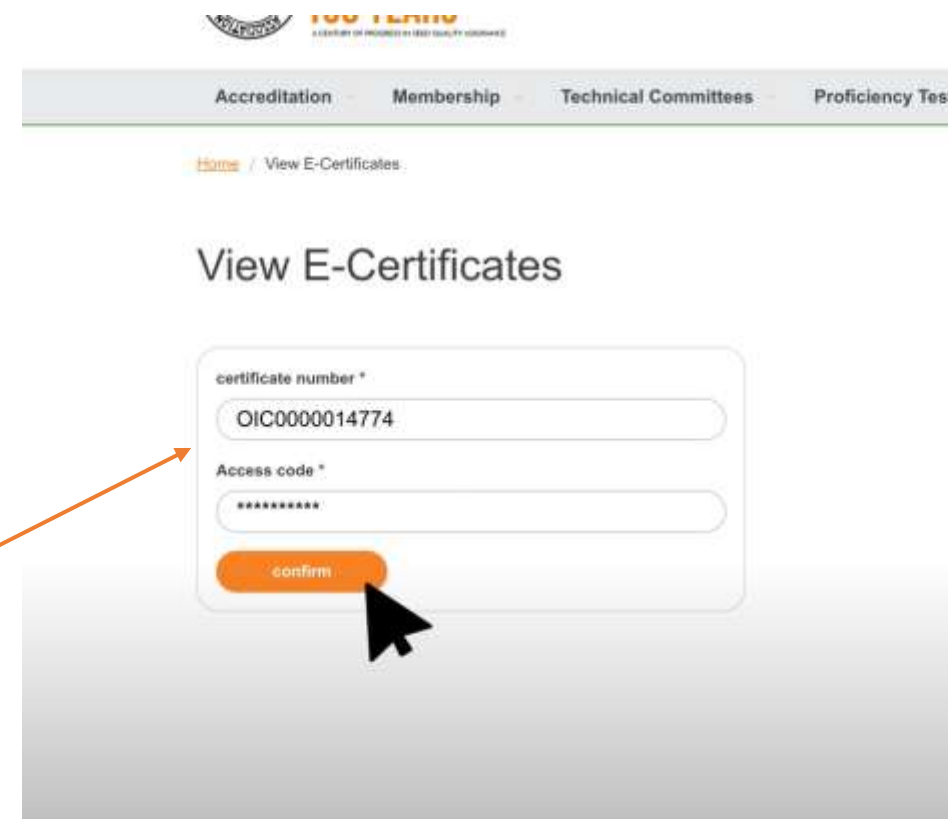
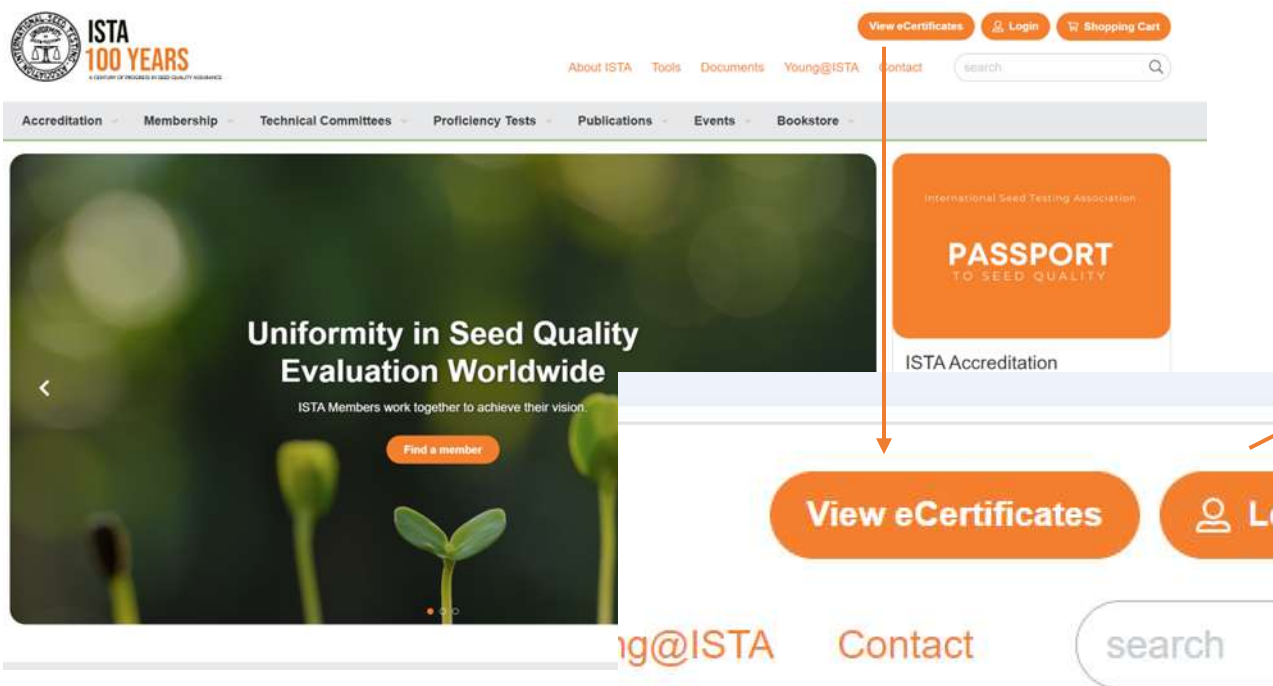


# eCertificates Safer - Access



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## Access via ISTA Website





# eCertificates Acceptance



- eCertificates were approved by ISTA Designated Authorities during Ordinary General Meeting 04 July 2024 – **Like paper Certificates that means mutual recognition**

## ZA06 Testimony:

“Almost 5 months of only issuing eCertificates and I would guess at least 80+ shipments exported to various countries all over the world. I have only experienced positive acceptance.”

# eCertificates Safety

Webserver 1:  
Hosting Data  
& supplying  
PDF to users



Backup



Signed  
eCertificate  
transferred  
to Mirror  
Server



Backup



Mirror 1:  
Holds the  
signed  
eCertificates



Redundant Server  
System:  
**Same** as System 1,  
but different location

Access through two  
independent security portals  
to either System 1 or  
Redundant Server System

# eCertificates Faster, Safer, Cheaper



- **Faster:** No delays from signing by the laboratory until delivery to seed lot owner or from seed lot owner to client
- **Safer:** No fraudulent use
- **Cheaper:** No cost for Provisionals or Duplicates  
No courier cost  
  
Free of use for the accredited laboratories

# eCertificates Final Testimony



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**ZA06:**

“My advice to other seed testing laboratories would be to take the leap of faith, it is so worth while. So many areas within the import and export sector have moved to electronic systems to assist in turn around times and ease the burden on paperwork, we as seed testing community should not stay behind. Papers can be misplaced, damaged or lost, with an eCertificate there is always a way to refer back to the original issued.”

# eCertificates Questions



YouTube Tutorial on how to view and verify ISTA eCertificates:

[https://www.youtube.com/watch?v=VU8\\_eJNSgdM](https://www.youtube.com/watch?v=VU8_eJNSgdM)

**audit@ista.ch**





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# THANK YOU!



[www.seedtest.org](http://www.seedtest.org)



Scan and follow us  
on our social media