



America

# CERTIFICATE

No. U8 18 03 95104 007

**Holder of Certificate:** Ocean Optics Inc.

4301 Metric Drive  
Winter Park FL 32792  
USA

**Production Facility(ies):** 95104

**Certification Mark:**



**Product:** Electrical equ. for measurement, control and laboratory use  
Flame Spectrometer

**Model(s):** FLAMEX-F-XXX-YYY-ZZ and Ocean HDX  
(See Attachment for Additional Model Details)

**Parameters:**

Rated Input Voltage:	5VDC
Rated Input Current:	2.5A
Protection Class:	Not Directly Connected to Mains.
Degree of Protection:	IPX0

**Tested according to:** CAN/CSA C22.2 No. 61010-1:2012  
UL 61010-1:2012  
EN 61010-1:2010

The product was voluntarily tested according to the relevant safety requirements noted above. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL and a Standards Council of Canada accredited certification body.

**Test report no.:** 72122700-100

**Date,** 2018-04-02

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David B. Dorfner



## Attachment to Certificate U8 18 03 95104 007

Ocean Optics Inc.  
4301 Metric Drive  
Winter park, FL 32792 USA



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**General Product Information:**

Description of Unit:

Device is a miniature spectrometer for UV-Vis absorbance, fluorescence, Vis-NIR reflectance and IR spectroscopy.

Model numbering is FLAMEX-F-XXX-YYY-ZZ where XXX is the starting range (e.g. UV, VIS) or the full range (e.g. XR1) and YYY is the ending range (e.g. VIS, NIR) if applicable. ZZ would be the designator of sensitivity (e.g. ES) if applicable.

The device has a metal enclosure with no user serviceable parts.

The device has no connection to Mains and is powered by 5VDC that is provided via an external certified power source.

Additional Model Ocean HDX added to report, new unit uses a different light sensor.

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