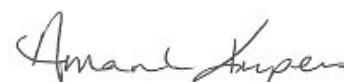


Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

SPECIFICATIONS: Product Name: Eurotium rubrum Catalog Number: 01160 Lot Number: 1160-07** Reference Number: ATCC® 42690™* Passage from Reference: 3 Expiration Date: 2021/08/31	RELEASE INFORMATION: Quality Control Technologist: Kieshia L Negen Release Date: 2019/10/29
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Performance	
Macroscopic Features: Large, circular to irregular, dark orange/brown centers fading progressively to yellow at the periphery. Reverse is red/brown. Adheres to the agar. Microscopic Features: Ascospores ellipsoidal, with smooth convex walls and pronounced furrow in equatorial region , conidial heads radiate, conidiophores smooth, hyaline, vesicle globose, phialides, conidia ovate to barrel-shaped, with spinose walls	Medium: PDA Method: Lactophenol Blue (1)
ID System: Charles River	
See attached ID System results document.	



Amanda Kuperus
 Director of Quality Control
 AUTHORIZED SIGNATURE

**Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot number.

Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.

(1) These tests are accredited to ISO/IEC 17025.



TESTING CERT #2655.01



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REFERENCE MATERIAL PRODUCER
 CERT #2655.02

Customer:	MicroBiologics, Inc.	Account:	602190 (ML12)
Address:	200 Cooper Avenue North, St. Cloud, MN, 56303, United States	ID Request Form#:	389876
Accugenix® C# / Run Date:	C3805807-20191029047 / 2019-10-23 15:07:39	Due Date:	2019-10-29
Customer Sample ID:	1160-07		

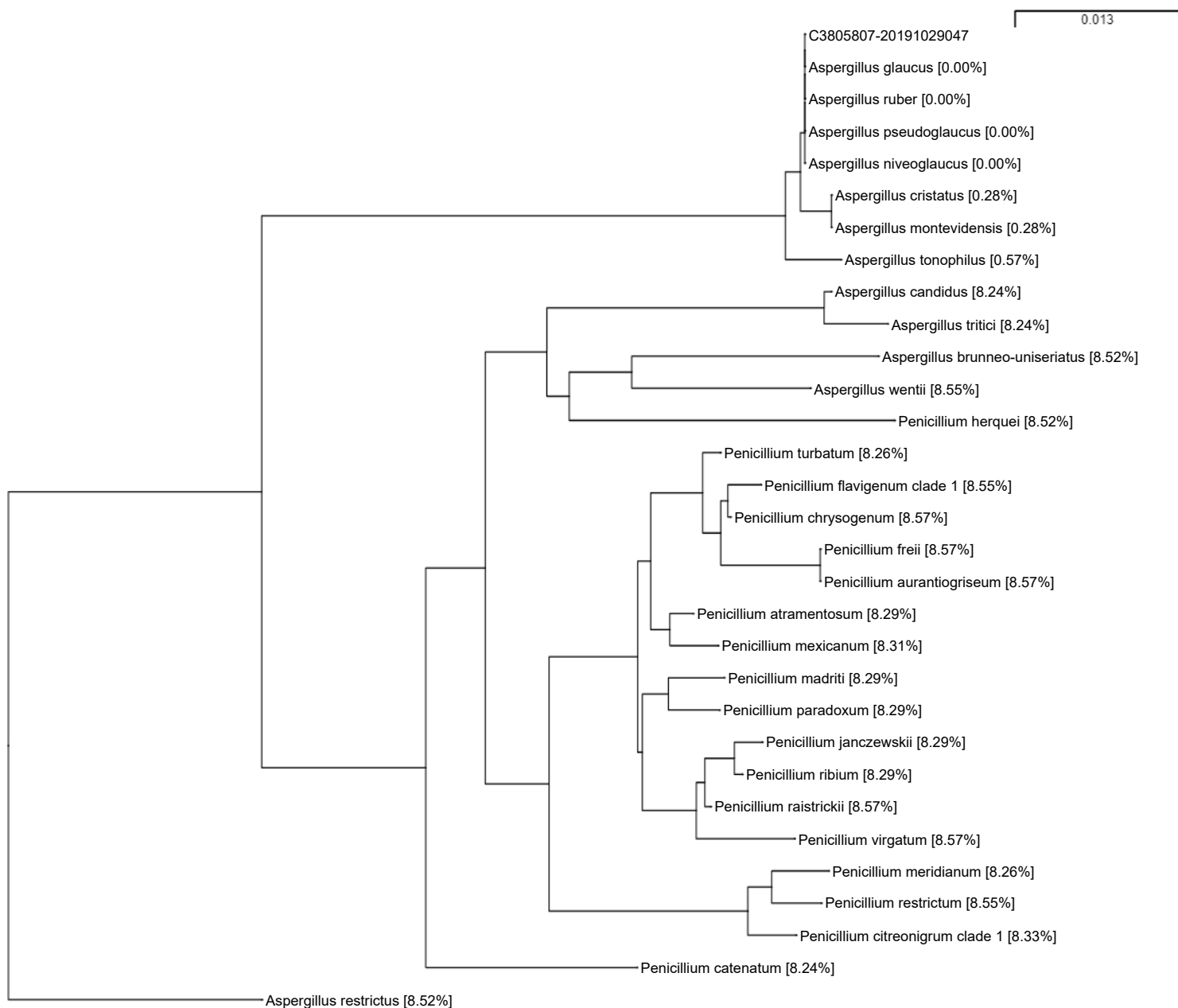
AccuGENX-ID® Database Search Result - Fungal ITS Library

Identification: *Aspergillus glaucus / niveoglaucus / pseudoglaucus / ruber*

Confidence Level: **Species***

*The unknown matches two or more very closely related species that cannot be reliably differentiated by the method that has been used.

Neighbor Joining Tree



The value shown in the bracket represents the percent difference in the sequence alignment between the unknown and each individual library entry.