

**Genomic DNA from *Aspergillus fumigatus*, Strain B6081**

**Catalog No. NR-50386**

**Product Description:**

Genomic DNA was extracted from *Aspergillus fumigatus*, strain B6081. Lot 70004182 was produced from a preparation of NR-35312 lot 62486470, extracted using proprietary technology and vialled in TE buffer, pH ~ 8.0 (Sigma T-9285).

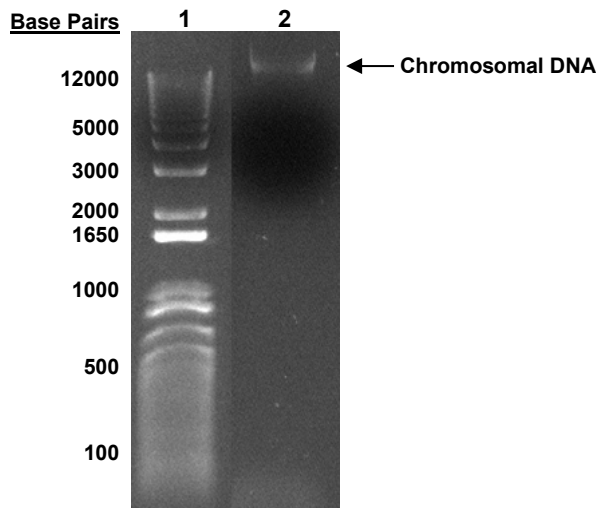
**Lot: 70004182**

**Manufacturing Date: 21MAY2019**

TEST	SPECIFICATIONS	RESULTS
<b>Genotypic Analysis</b> Partial 18S ribosomal RNA (rRNA) gene, internal transcribed spacer (ITS) 1, 5.8S rRNA gene, ITS 2, partial 28S rRNA (~ 710 base pairs)	≥ 99% sequence identity to <i>A. fumigatus</i> reference strain (GenBank: HQ026746.1)	100% sequence identity to <i>A. fumigatus</i> reference strain (GenBank: HQ026746.1)
<b>Agarose Gel Electrophoresis</b>	High molecular weight chromosomal DNA	High molecular weight chromosomal DNA (Figure 1)
<b>Concentration by PicoGreen® Measurement</b>	≥ 0.2 µg to ≤ 3.5 µg per vial	1.6 µg per 23 µL (0.07 µg per µL)
<b>Functional Activity by PCR Amplification</b> Ribosomal RNA and ITS region	~ 1200 base pair amplicon	~ 1200 base pair amplicon
<b>OD<sub>260</sub>/OD<sub>280</sub> Ratio</b>	1.7 to 2.1	2.1
<b>Fungal Inactivation</b> 10% of total yield inoculated in medium <sup>1</sup>	No viable organisms detected	No viable organisms detected

<sup>1</sup>Incubated for 14 days at 26°C in an aerobic atmosphere in Modified Sabouraud Dextrose agar

**Figure 1: Agarose Gel Electrophoresis**



Lane 1: Invitrogen™ TrackIt™ 1 Kb Plus DNA Ladder  
Lane 2: 200 ng of NR-50386

/Heather Couch/

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30 JUL 2020

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