

ORIENTAL YEAST CO., LTD.



OSAKA BIO PLANT

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ASSAY DATA

G-418 disulfate salt

Lot No.: 41806706M

	Specification	Result
Appearance:	White powder	<u>Conformable</u>
Solubility (100 mg/mL):	Completely soluble, clear, colorless solution	<u>Conformable</u>
Absorbance:		
A_{570} (100 mg/mL):	≤ 0.100	<u>0.003</u>
A_{280} (1 mg/mL):	≤ 0.015	<u>0.001</u>
Contaminant by TLC:	Single major spot(G-418) and two minor spots(I -1,2)	<u>Conformable</u>
Potency:	$\geq 700 \mu\text{g}/\text{mg}$ by bacterial bioassay	<u>716</u> $\mu\text{g}/\text{mg}$
ED50:	$\geq 2,000 \mu\text{g}/\text{mL}$ by mammalian cell assay	<u>2,350</u> $\mu\text{g}/\text{mL}$
ED50 (resistant):	$\geq 2,500 \mu\text{g}/\text{mL}$	<u>2,750</u> $\mu\text{g}/\text{mL}$
ED50 (sensitive):	$\leq 400 \mu\text{g}/\text{mL}$	<u>400</u> $\mu\text{g}/\text{mL}$

Date of assay: yyyy/mm/dd
2007/11/21

S. Tamoi

Approved by: Y. Yamamoto

Shipment Conformable

for laboratory use only