



## Full wwPDB EM Map Validation Report ⓘ

Dec 9, 2020 – 01:53 pm GMT

EMDB ID : EMD-8758  
Title : Yeast microtubule assembled using the slowly hydrolyzable analogue GM-PCPP  
Authors : , Howes.SC.; , Geyer.EA.; , LaFrance.B.; , Zhang.R.; , Kellogg.EH.; , Westermann.S.; , Rice.LM.; , Nogales.E.  
Deposited on : 2017-06-07  
Resolution : 4.50 Å(reported)

This is a Full wwPDB EM Map Validation Report for a publicly released PDB entry.

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

<https://www.wwpdb.org/validation/2017/EMMapValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

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The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

EMDB validation analysis : **FAILED**  
Validation Pipeline (wwPDB-VP) : 2.13

# 1 Experimental information

Property	Value	Source
EM reconstruction method	helical	Depositor
Imposed symmetry	HELICAL, twist=-27.7°, rise=9.65 Å, axial sym=C1	Depositor
Number of images used	12629	Depositor
Resolution determination method	FSC 0.143 CUT-OFF	Depositor
CTF correction method	Not provided	Depositor
Microscope	FEI TITAN	Depositor
Voltage (kV)	300	Depositor
Electron dose ( $e^-/\text{\AA}^2$ )	28.0	Depositor
Minimum defocus (nm)	Not provided	Depositor
Maximum defocus (nm)	Not provided	Depositor
Magnification	Not provided	Depositor
Image detector	GATAN K2 SUMMIT (4k x 4k)	Depositor