

**Table 4** Summary of intrasalt inclusion sedimentology inside the Patawarta Diapir

Lithofacies	Lithology	Colour	Bedding	Grain size	Sedimentary structures
5: lower dolomite beds	sandy-silty dolomite	tan	10–15 mm	silt, medium sandstone	horizontal to wavy laminae-bedding
4: green siltstone member	siltstone, silty limestone	dark green	1–5 cm	silt	horizontal laminae-bedding
3: upper limestone member	lime mudstone, silty limestone	tan	5 mm – 30 cm	silt	horizontal laminae-bedding
2: middle limestone member	lime mudstone, silty limestone	grey, tan	1 mm – 10 cm	silt	horizontal laminae-bedding
1: lower limestone member	lime mudstone, silty limestone	grey, tan	1 mm – 5 cm	silt	horizontal laminae-bedding