




CDMO Capabilities

	 Italy Gropello	 India Chennai & Vizag	 Germany Raubling
Areas of Expertise			
Route Scouting	✓	✓	✓
Process Development	✓	✓	✓
Analytical Development	✓	✓	✓
Intermediates & RSMs	✓	✓	✓
APIs	✓	✓	✓
HP-APIs	✓	✓	
Steroids	✓	✓	
Cannabinoids	✓		
Animal derived materials	✓	✓	✓
# of molecules		100+	
Regulatory			
FDA	✓	✓	✓
Europe	✓	✓	✓
Local authority	✓	✓	✓
PMDA	✓	✓	✓
MoH Russia	✓		
GMP compliant	✓	✓	✓
PAI experience	✓	✓	✓
# of audits & inspections in the past 3 years		200+	
Own DMFs / CTDs		140+ filed in 50+ countries	
Industrial Capabilities			
Pilot Plants	✓	✓	✓
Multi Purpose Plant	✓	✓	✓
Commercial Manufacturing	✓	✓	✓
OEL-Level	≥ 10 ng/m ³	≥ 10 µg/m ³	≥ 10 µg/m ³
Biocatalysis	✓	✓	✓
Electrolysis/Flow-Chemistry		✓	✓
Aseptic/Ultra-filtration	✓		
Milling / Micronization	✓	✓	✓
Hydrogenation	✓	✓	✓
Chromatography	✓		
Manufacturing Facts			
# of reactors	88+17*	98	63
Reactor size L	5 - 14000	100 - 10000	400 - 12000
Total reactor capacity m ³	295+50*	382	274
API output per year t	200	2300	1300
Temperature °C	-70 to 200	-70 to 160	-20 to 160
Standard Pressure / Hydrogenation bar	6 / 60	1 / 10	7
Capabilities to come soon			
R&D lab expansions nonHP- & HP-API		Q4/2021	
State of the Art Steroids & HP-API plant		Q1/2022*	
Solid state department		Q1/2022	



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