Step	1	2	3	4	5	6	7	8	9
Surface	SiC Paper	SiC Paper	SiC Paper	SiC Paper	MD-Dur	MD-Dac	MD-Dac	MD-Nap	MD-Chem
Abrasive	SiC	SiC	SiC	SiC	DP	DP	DP	DP	$\frac{1}{2}$OPS $\frac{1}{2}$Blue
Grain Size	P220	P800	P1200	P2200	$9\mu m$	$3\mu m$	$1\mu m$	$0.25\mu m$	$0.04\mu m$
Lubricant	Water	Water	Water	Water	Blue	Blue	Blue	Blue	Blue
Rotation [rpm]	250	250	250	250	250	250	200	200	150
Force [N]	30	30	30	30	40	40	40	40	15
Time [min]	until planar	3	3	3	15	5	5	5	10

Table 1: Steps conducted for metallographic sample preparation for EBSD and cECCI experiments.