

# 2023 ChemE Cube Competition

## The Duel Rubric

Ver 3, October 2023



<b>Judge's Name:</b>	
<b>Team Affiliation:</b>	

### Duel 1

Criteria	Outcome	Scoring
1. Captures at least 25% of CO2 for 30 consecutive seconds.	Yes / No	0, 100
2. Time before material used for capture becomes fully saturated.	Time (s) / 6	0 - 100
3. Consumes the least amount of electricity in "The Duel"	Yes / No	0 / 20
4. Weighs less than its competitor in "The Duel"	Yes / No	0 / 20
5. Output temperature does not exceed 75F	Yes / No	0 / 20
6. Output pressure does not exceed 1 psig	Yes / No	0 / 20
7. Does it smell?	Yes / No	0 / 20
<b>SUB-TOTAL</b>		/300
<b>Competitor:</b>		
<b>Comments:</b>		

### Duel 2

Criteria	Outcome	Scoring
1. Captures at least 25% of CO2 for at least 30 consecutive seconds.	Yes / No	0, 100
2. Time before material used for capture becomes fully saturated.	Time (s) / 6	0 - 100
3. Consumes the least amount of electricity in "The Duel"	Yes / No	0 / 20
4. Weighs less than its competitor in "The Duel"	Yes / No	0 / 20
5. Output temperature does not exceed 75F	Yes / No	0 / 20
6. Output pressure does not exceed 1 psig	Yes / No	0 / 20
7. Does it smell?	Yes / No	0 / 20
<b>SUB-TOTAL</b>		/300
<b>Competitor:</b>		
<b>Comments:</b>		

<b>TOTAL</b>		<b>/600</b>
--------------	--	-------------