

## 9. tormordgarden ipa (half polish ;) )

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- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **69**
- SRM **3.7**
- Style **American IPA**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **32.2 liter(s)**

### Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **2.4 liter(s) / kg**
- Mash size **17.4 liter(s)**
- Total mash volume **24.6 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	2.5 kg (34.5%)	80 %	5
Grain	Briess - Pilsen Malt	2.8 kg (38.6%)	80.5 %	2
Grain	Oats, Flaked	0.6 kg (8.3%)	80 %	2
Grain	Pszeniczny	1 kg (13.8%)	85 %	4
Grain	Rice, Flaked	0.35 kg (4.8%)	70 %	2

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	40 g	60 min	11 %
Boil	Marynka	20 g	60 min	10 %
Boil	Marynka	30 g	20 min	10 %
Boil	Książęcy	100 g	0 min	7 %
Boil	Centennial	50 g	0 min	10.5 %
Dry Hop	Zula	50 g	10 day(s)	9 %

### Notes

- 22.08.2020 - zatarte na 13 Brix
- 03.09.2020 - na zimno 50 g ZULA
- Sep 10, 2020, 7:59 AM