

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

---

- 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