

Tormodgarden IPA

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **42**
- SRM **4.3**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.6 liter(s)**
- Total mash volume **20.8 liter(s)**

Steps

- Temp **68 C**, Time **60 min**

Mash step by step

- Heat up **15.6 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **16 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	4.5 kg (86.5%)	82 %	4
Grain	Biscuit Malt	0.2 kg (3.8%)	79 %	45
Grain	Płatki owsiane	0.5 kg (9.6%)	60 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnat	20 g	60 min	11.2 %
Boil	Vermelho	15 g	30 min	9.1 %
Boil	Vermelho	15 g	10 min	9.1 %
Boil	Vermelho	35 g	1 min	9.1 %
Dry Hop	Vermelho	35 g	4 day(s)	9.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Tormodgarden Kveik	Ale	Slant	150 ml	---