

Turbo Whisky Stout

- Gravity **17.5 BLG**
- ABV **7.5 %**
- IBU **35**
- SRM **48.4**
- Style **Foreign Extra Stout**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **38 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

Steps

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

Mash step by step

- Heat up **30 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **60 min** at **68C**
- Sparge using **18 liter(s)** of **76C** water or to achieve **38 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (30%)	80 %	5
Grain	Słód pszeniczny Bestmalz	1 kg (10%)	82 %	5
Grain	Casle Malting Whisky Nature	4 kg (40%)	85 %	4
Grain	Carafa II	1.5 kg (15%)	70 %	812
Grain	Jęczmień palony	0.5 kg (5%)	55 %	985

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	50 g	60 min	11.7 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	Safale