

Tomyskie single hop

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **9**
- SRM **3.7**
- Style **American Pale Ale**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **9.8 liter(s)**
- Total mash volume **12.6 liter(s)**

Steps

- Temp **65 C**, Time **60 min**

Mash step by step

- Heat up **9.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Sparge using **8.2 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	1.4 kg (50%)	80 %	5
Grain	Viking Pilsner malt	1.4 kg (50%)	82 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tomyski	10 g	60 min	2.8 %
Boil	Tomyski	15 g	15 min	2.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
US-05	Ale	Dry	11.5 g	---