

# Stout\_v17 #144 2025

- Gravity **14.7 BLG**
- ABV **6.1 %**
- IBU **48**
- SRM **31**
- Style **Foreign Extra Stout**

## Batch size

- Expected quantity of finished beer **20.2 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.6 liter(s)**
- Boil time **70 min**
- Evaporation rate **14 %/h**
- Boil size **25.6 liter(s)**

## Mash information

- Mash efficiency **86.9 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

## Steps

- Temp **65 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **7 min**

## Mash step by step

- Heat up **15 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **20 min** at **72C**
- Keep mash **7 min** at **77C**
- Sparge using **15.6 liter(s)** of **76C** water or to achieve **25.6 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale - viking	2.6 kg (52.1%)	80 %	5.5
Grain	monachijski I - viking	1.15 kg (23%)	78 %	16
Grain	monachijski II - viking	0.55 kg (11%)	78 %	22
Grain	karmelowy 300 - viking	0.3 kg (6%)	73 %	300
Grain	czekoladowy pszeniczny - fawcett	0.2 kg (4%)	72.7 %	1050
Grain	Jęczmień palony - viking	0.086 kg (1.7%)	55 %	985
Grain	Carafa III special - weyer mann	0.106 kg (2.1%)	65 %	1400

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	11.5 %
Aroma (end of boil)	Perle szyszka mokra	60 g	10 min	7 %
240 gr mokrej szyszki (mrożonej), ekwiwalent 60 gr suchej				

Aroma (end of boil)	Sybilla szyszka mokra	30 g	10 min	7 %
120 gr mokrej szyszki (mrożonej), ekwiwalent 30 gr suchej				

## Yeasts

Name	Type	Form	Amount	Laboratory
FM52 Amerykański Sen	Ale	Slant	150 ml	Fermentum Mobile
gęstwa 14-dniowa				

## Extras

Type	Name	Amount	Use for	Time
Water Agent	gips	1.5 g	Mash	---
Water Agent	węglan wapnia	5.5 g	Mash	---
Water Agent	sól epsom	1 g	Mash	---
Water Agent	kwask mlekowy [ml]	3.11 g	Mash	---
Water Agent	chlerek wapnia [ml]	0 g	Mash	---
Fining	mech irlandzki	3 g	Boil	10 min
Water Agent	kwask askorbinowy	0 g	Bottling	---