

American Stout II

- Gravity **13.1 BLG**
- ABV ---
- IBU **43**
- SRM **35.2**
- Style **American Stout**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.9 liter(s)**

Mash information

- Mash efficiency **83.2 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **13.5 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **78 C**, Time **0 min**

Mash step by step

- Heat up **10.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **0 min** at **78C**
- Sparge using **8.4 liter(s)** of **76C** water or to achieve **15.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Ale	2.3 kg (76.7%)	80 %	6
Grain	Weyermann - CaraHell	0.3 kg (10%)	74 %	25
Grain	Weyermann - Pszeniczny czekoladowy	0.2 kg (6.7%)	75 %	1050
Grain	Weyermann - Jęczmień palony	0.2 kg (6.7%)	75 %	1150

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	USA El Dorado	10 g	60 min	14.2 %
Boil	USA Citra	40 g	5 min	13.5 %
Dry Hop	USA Citra	10 g	3 day(s)	13.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05 V	Ale	Slant	80 ml	---