

American Brown Ale

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **19**
- SRM **10.9**
- Style **American Brown Ale**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **26.7 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **18.8 liter(s)**
- Total mash volume **23.5 liter(s)**

Steps

- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **18.8 liter(s)** of strike water to **69.5C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **26.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński | 4 kg (85.1%) | 80 % | 4 |
| Grain | Karmelowy Jasny 30EBC | 0.4 kg (8.5%) | 75 % | 30 |
| Grain | Strzegom Czekoladowy jasny | 0.1 kg (2.1%) | 68 % | 400 |
| Grain | Simpsons - Coffee Malt | 0.2 kg (4.3%) | 74 % | 296 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------|--------|--------|------------|
| Boil | Tradition | 10 g | 60 min | 5.5 % |
| Boil | Simcoe | 25 g | 10 min | 13.2 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|------|------|--------|---------|------|
|------|------|--------|---------|------|

| | | | | |
|--------|----------------|-----|------|--------|
| Fining | Mech irlandzki | 8 g | Boil | 15 min |
|--------|----------------|-----|------|--------|