

Sorachi Ace Single Hop

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **46**
- SRM **4.2**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **27.6 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **19.6 liter(s)**

Steps

- Temp **64 C**, Time **45 min**
- Temp **69 C**, Time **15 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **14.7 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **45 min** at **64C**
- Keep mash **15 min** at **69C**
- Keep mash **10 min** at **78C**
- Sparge using **17.8 liter(s)** of **76C** water or to achieve **27.6 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------|-----------------|--------|-----|
| Grain | Strzegom Pale Ale | 2.7 kg (48.6%) | 79 % | 6 |
| Grain | Pszeniczny | 0.7 kg (12.6%) | 80 % | 4 |
| Grain | Pilznieński | 1.5 kg (27%) | 81 % | 4 |
| Sugar | Candi Sugar, Clear | 0.65 kg (11.7%) | 78.3 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-------------|--------|----------|------------|
| Dry Hop | Sorachi Ace | 50 g | 7 day(s) | 12 % |
| Aroma (end of boil) | Sorachi Ace | 20 g | 1 min | 12 % |
| Boil | Sorachi Ace | 20 g | 10 min | 12 % |
| Boil | Sorachi Ace | 30 g | 60 min | 12 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|-------|-----------------|--------|---------|-------|
| Spice | Trawa cytrynowa | 20 g | Boil | 5 min |
| Spice | Skórki cytryny | 30 g | Boil | 5 min |