

Vermont IPA

- Gravity **15.9 BLG**
- ABV **6.7 %**
- IBU **50**
- SRM **6.3**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **5 %**
- Size with trub loss **42.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **51 liter(s)**

Mash information

- Mash efficiency **75.5 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **44.6 liter(s)**
- Total mash volume **57.4 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **80 C**, Time **10 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up **44.6 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **72C**
- Keep mash **10 min** at **80C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **51 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|------------------------|----------------|-------|-----|
| Grain | Mep©Ale | 8.5 kg (66.7%) | 81 % | 6 |
| Grain | Płatki owsiane | 1 kg (7.8%) | 85 % | 3 |
| Grain | 3 Pszeniczny | 1.2 kg (9.4%) | 82 % | 4 |
| Grain | 1 Abbey Malt | 0.5 kg (3.9%) | 78 % | 45 |
| Grain | 1 Caramel/Crystal Malt | 0.1 kg (0.8%) | 78 % | 150 |
| Grain | 1 Weyermann - Carapils | 0.45 kg (3.5%) | 78 % | 4 |
| Grain | zakwaszający | 1 kg (7.8%) | 80 % | 5 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|--------|--------|-----------|------------|
| Boil | Flyer | 60 g | 60 min | 9.8 % |
| Boil | Perle | 60 g | 30 min | 4.4 % |
| Boil | Citra | 30 g | 10 min | 13.5 % |
| Boil | Citra | 30 g | 5 min | 13.5 % |
| Aroma (end of boil) | Citra | 30 g | 1 min | 13.5 % |
| Dry Hop | Mosaic | 30 g | 20 day(s) | 12 % |

| | | | | |
|---------|-------|------|-----------|--------|
| Dry Hop | Citra | 30 g | 20 day(s) | 13.5 % |
|---------|-------|------|-----------|--------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale | Dry | 11 g | Safale |