

midwest ipa

- Gravity **13.8 BLG**
- ABV **5.7 %**
- IBU **54**
- SRM **4.1**
- Style **American IPA**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.3 liter(s)**
- Total mash volume **16.4 liter(s)**

Steps

- Temp **67 C**, Time **50 min**
- Temp **72 C**, Time **10 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **12.3 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **50 min** at **67C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **10.8 liter(s)** of **76C** water or to achieve **19 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Pilzneński | 3 kg (73.2%) | 81 % | 4 |
| Grain | Weyermann - Vienna Malt | 0.5 kg (12.2%) | 81 % | 8 |
| Grain | Weyermann - Pale Wheat Malt | 0.5 kg (12.2%) | 85 % | 5 |
| Grain | cookie | 0.1 kg (2.4%) | 85 % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|-----------|----------|--------|----------|------------|
| Boil | Citra | 20 g | 15 min | 11 % |
| Dry Hop | Cascade | 50 g | 2 day(s) | 6 % |
| Dry Hop | Sabro | 50 g | 2 day(s) | 15 % |
| Boil | Citra | 20 g | 60 min | 11 % |
| Whirlpool | Citra | 20 g | 15 min | 12 % |
| Dry Hop | Amarillo | 50 g | 2 day(s) | 9.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-----------------------------------|-----|---------|--------|------------|
| WLP060 - American Ale Yeast Blend | Ale | Culture | 1000 g | White Labs |
|-----------------------------------|-----|---------|--------|------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|-----------|--------|---------|-------|
| Fining | whirflock | 1 g | Boil | 5 min |